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                                                                                                       Score 81; DB 7; Length 98;
Pred. No. 1.6e-06;
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GENERAL INFORMATION:
TITLE OF INVERTION: SUPER HUMANIZED ANTIBODIES; FILE REFERENCE: 30219/US/3; CURRENT APPLICATION NUMBER: US/11/054,669; CURRENT FILING DATE: 2005-02-08; PRIOR FILING DATE: 2000-07-12; PRIOR APPLICATION NUMBER: US 60/305,111; PRIOR FILING DATE: 2000-07-12; PRIOR FILING DATE: 2000-07-12; PRIOR FILING DATE: 2001-07-12; SOFTWARE: PATENT PATEN
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FILE REFERENCE: 30219/US.7
FURENT APPLICATION NUMBER: US/11/054,669
CURRENT APPLICATION NUMBER: US/11/054,669
CURRENT FILING DATE: 2005-02-08
PRIOR APPLICATION NUMBER: US 10/194,975
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2000-07-12
NUMBER OF SEQ ID NOS: 124
SEQ ID NO 24
LENGTH: 98
                                                                                                                                                                                    1; Mismatches
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Sequence 24, Application US/11054669
Publication No. US20050261480Al
GENERAL INFORMATION:
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                                                                                                           Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-11-054-669-23
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US-11-054-669-24
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ORGANISM: Homo sapiens
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   Sequence 1503, Ap
Sequence 35, Appl
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF52278

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT FILING DATE: 2005-02-10

PRIOR PELICATION NUMBER: 60/543,296

PRIOR FILING DATE: 2004-05-18

PRIOR FILING DATE: 2004-05-18

PRIOR FILING DATE: 2004-05-18

PRIOR FILING DATE: 2002-11-16

PRIOR FILING DATE: 2002-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-05-25

PRIOR PLICATION NUMBER: 60/240,817

PRIOR FILING DATE: 2001-06-15

PRIOR PLICATION NUMBER: 60/293,499

PRIOR FILING DATE: 2001-05-25

PRIOR PLICATION NUMBER: 60/277,379

PRIOR PLICATION NUMBER: 60/277,379

PRIOR PLICATION NUMBER: 60/276,248

PRIOR FILING DATE: 2001-03-21

PRIOR PLICATION NUMBER: 60/240,816

PRIOR PLICATION PLICATION NUMBER: 60/240,816

PRIOR PLICATION NUMBER: 60/
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Publication No. US20050261480A1
GENERAL INFORMATION:
APPLICANT: FOOCE, Jefferson
TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
FILE REFERENCE: 30219/US/3
CURRENT APPLICATION NUMBER: US/11/054,669
CURRENT FILING DATE: 2005-02-08
PRIOR FILING DATE: 2002-07-12
PRIOR FILING DATE: 2002-07-12
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 124
SOFTWARE: Patentin version 3.3
LENGTH. 98
TYPE: PRIOR FILING DATE: 2001-07-12
US-11-054-515-1503
US-11-093-274-35
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                                                                                                                                                                                                                                                                                                                               Sequence 1109, Application US/11054515; Publication No. US20050255332A1; GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-11-054-515-1109
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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US-10-952-535A-2
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US-11-084-554-34

| Sequence 34, Application US/11084554
| Sequence 34, Application US/11084554
| Publication No. US20050260679A1
| GENERAL INFORMATION:
| APPLICANT: Kellermann, Sirid-Ai
| APPLICANT: Green, Larry L.
| APPLICANT: Green, Mouter
| TILLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
| TITLE OF INVENTION: ANTIBODIES THROUGH U GENE MANIPULATION
| TILLE REFRENCE: ABGENIX. 100A
| CURRENT FILING DATE: 2005-03-17
| PRIOR FILING DATE: 2004-03-19
| PRIOR FILING DATE: 2004-03-19
| PRIOR FILING DATE: 2004-03-19
| PRIOR FILING DATE: 2004-05-24
| NUMBER OF SEQ ID NOS: 266
| SEQ ID NO 34
| LENGTH: 98
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92.0%; Score 81; DB 6; Length 115;
Best Local Similarity 88.2%; Pred. No. 1.9e-06;
Matches 15; Conservative 1; Mismatches 1; Indels
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US-11-127-677-9
; Sequence 9, Application US/11127677
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ORGANISM: Artificial Sequence
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US-11-084-554-34
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Best Local Similarity
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US-10-952-535A-2
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                                                                                                                                                                                                                                                                                                                                    Query Match 92.0%; Score 81; DB 7; Length 126; Best Local Similarity 88.2%; Pred. No. 2.1e-06; Matches 15; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                         FEATURE:

OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-43
          CURRENT APPLICATION NUMBER: US/11/127,677
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: PCT/GB03/04942
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-15
NUMBER OF SEQ ID NOS: 150
SOFTWARE: PatentIn version 3.1
SEQ ID NO 43
LENGTH: 126
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ORGANISM: Artificial sequence
FILE REFERENCE: 18396/2462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                Query Match 92.0%; Score 81; DB 7; Length 120; Best Local Similarity 88.2%; Pred. No. 2e-06; Matches 15; Conservative 1; Mismatches 1; Indels
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; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-12
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Sequence 48, Application US/11127677

PUBLICATION. US20050272107A1

GENERAL INFORMATION:

APPLICANT: Medical Research Council

APPLICANT: Rabbitts, Terence H

APPLICANT: Tanaka, Tomoyuki

TILE OF INVENTION: Intracellular antibodies

FILE REPERENCE: 1836/2462

CURRENT FILING DATE: 2005-05-12

PRIOR APPLICATION NUMBER: US/11/127,677

CURRENT FILING DATE: 2005-11-14

PRIOR FILING DATE: 2005-11-15

NUMBER OF SEQ ID NOS: 150

SOFTWARE: PALENTING NAMER: GEO26729.2

PRIOR FILING PATE: 2002-11-15

SOFTWARE: PALENTING NOS: 150

SOFTWARE: PALENTING NOS: 150

SOFTWARE: PALENTING NOS: 150

SOFTWARE: PALENTING NOS: 150
              APPLICANT: Tanaka, Tomoyuki
TITLE OF INVENTION: Intracellular antibodies
FILE REPERENCE: 18396/2462
CURRENT APPLICATION NUMBER: US/11/127,677
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: PCT/GB03/04942
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: GB 0226729.2
PRIOR FILING DATE: 2002-11-15
NUMBER OF SEQ ID NOS: 150
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 120
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; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Tanaka, Tomoyuki
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
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Rabbitts, Terence H
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ORGANISM: Artificial sequence
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ORGANISM: Artificial sequence
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US-11-127-677-48
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US-11-054-515-1330
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US-10-95-35A-6

Sequence 6, Application US/10952535A

Publication No. US20050255113A1

GENERAL INFORMATION:
APPLICANT: Huston, James S.
APPLICANT: Lacart, Anne
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING POLYPEPTIDE
TITLE OF INVENTION: ACCUMULATION ASSOCIATED WITH NEUROLOGICAL DISORDERS
TITLE OF INVENTION: ACCUMULATION ASSOCIATED WITH NEUROLOGICAL DISORDERS
CURRENT FILING DATE: 2004-09-27
CURRENT FILING DATE: 1999-07-27
NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 239
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FILE REPERENCE: PF522P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT PILING DATE: 2005-02-10
FRIOR FILING DATE: 2004-02-11
FRIOR FILING DATE: 2004-02-13
FRIOR FILING DATE: 2004-02-14
FRIOR FILING DATE: 2004-02-14
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-12-19
FRIOR FILING DATE: 2001-03-21
FRIOR APPLICATION NUMBER: 60/233,499
FRIOR FILING DATE: 2001-06-12
FRIOR FILING DATE: 2001-06-12
FRIOR FILING DATE: 2001-06-12
FRIOR FILING DATE: 2001-06-12
FRIOR FILING DATE: 2001-06-16
FRIOR FILING DATE: 2001-06-16
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2000-10-17
FREAD FILING DATE: 2000-10-17
FREAD FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2000-10-17
FREAD FILING DATE: 2000-10-17
FREAD FILING DATE: 2000-10-17
FREAD FILING DATE: 2001-03-21
FRIOR FILING DATE: 2000-10-17
FRIOR PROPERTION NUMBER: 60/240,816
FRIOR FILING DATE: 2000-10-17
FRIOR PROPERTION NUMBER: 60/240,816
FRIOR FILING DATE: 2000-10-17
FRIOR PROPERTION NUMBER: 60/276,248
FRIOR FILING DATE: 2000-10-17
FRIOR PROPERTION NUMBER: 60/276,248
FRIOR FILING DATE: 2000-10-17
FRIOR PROPERTION NUMBER: 60/276,248
FRIOR FILING DATE: 2000-10-17
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88.2%; Pred. No. 4.1e-06;
tive 1; Mismatches 1; Indels
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Publication No. US20050255532A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 15; Conserva
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF52373

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT PILING DATE: 2005-02-10

PRIOR PELICATION NUMBER: 60/580,347

PRIOR PELICATION NUMBER: 60/580,347

PRIOR PELICATION NUMBER: 60/331,469

PRIOR PLING DATE: 2004-06-18

PRIOR PLING DATE: 2001-11-16

PRIOR PLING DATE: 2001-11-16

PRIOR PLING DATE: 2001-12-19

PRIOR PLING DATE: 2001-12-19

PRIOR PLING DATE: 2001-06-15

PRIOR PLING DATE: 2001-03-21

PRIOR PLING DATE: 2001-03-21

PRIOR PLING DATE: 2001-03-21

PRIOR PLING DATE: 2001-03-21

PRIOR PLING DATE: 2001-03-16

PRIOR PLING DATE: 2001-03-16
                                                                                            Gaps
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Publication No. US2005025532A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF522B3

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT FILING DATE: 2005-02-10

PRIOR PILING DATE: 2004-02-11

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR PILING DATE: 2004-06-18

PRIOR PILING DATE: 2004-11-14

PRIOR PLING DATE: 2004-11-14

PRIOR PLING DATE: 2004-11-14

PRIOR PLING DATE: 2004-11-14
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             Length 241;
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Query Match
92.0%; Score 81, DB 7; I
Best Local Similarity 88.2%; Pred. No. 4.1e-06;
Matches 15; Conservative 1; Mismatches 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 924, Application US/11054515; Publication No. US20050255532A1; GENERAL INFORMATION:
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Best Local Similarity 88.2%;
Matches 15; Conservative
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US-11-054-515-924
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50 VISYDGSNKYYADSVKG 66
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ORGANISM: Homo sapiens
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US-211-054-515-143

US-211-054-515-143

EGRERAL INFORMATION:

APPLICAMT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REPRENCE: PF5233

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT APPLICATION NUMBER: 05/580,347

PRIOR PRILING DATE: 2004-02-11

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/31,469

PRIOR PILING DATE: 2001-11-14

PRIOR PILING DATE: 2001-11-16

PRIOR PILING DATE: 2001-11-16

PRIOR PILING DATE: 2001-12-19

PRIOR PILING DATE: 2001-12-19

PRIOR PILING DATE: 2001-12-19

PRIOR PILING DATE: 2001-13-19

PRIOR PILING DATE: 2001-13-19

PRIOR PILING DATE: 2001-05-15

PRIOR PILING DATE: 2001-05-15

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-24

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2000-10-13-16

PRIOR PILING DATE: 2000-10-13-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 3247 SEQ ID NO 1330
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PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/270,379
PRIOR APPLICATION NUMBER: 60/270,379
PRIOR APPLICATION NUMBER: 60/270,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-01-17
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.2*
Matches 15; Conservative
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COGANISM: Homo sapiens
US-11-054-515-1330
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; ORGANISM: Homo sapiens
US-11-054-515-1421
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NESULT 1-054-515-5

Sequence 5, Application US/11054515

Publication Wo. US2005025532A1

GENERAL INFORMATION:
APPLICAMT: Nubmen et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF522P3

CURRENT APPLICATION NUMBER: 05/54,515

CURRENT FILING DATE: 2004-02-10

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/33,418

PRIOR FILING DATE: 2004-11-14

PRIOR PILING DATE: 2001-11-16

PRIOR PILING DATE: 2001-11-16

PRIOR PILING DATE: 2001-11-16

PRIOR PILING DATE: 2001-01-16

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-17

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001
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US-11-054-515-397

Sequence 397, Application US/11054515

Publication No. US2005025532A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523P3

CURRENT FILING DATE: 2005-02-10

PRIOR PILING DATE: 2004-02-11

PRIOR APPLICATION NUMBER: 60/543,296

PRIOR FILING DATE: 2004-02-11

PRIOR PLICATION NUMBER: 60/543,418

PRIOR PLICATION NUMBER: 10/293,418

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR PLILING DATE: 2001-11-16

PRIOR PLILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-12-19

PRIOR FILING DATE: 2001-12-19

PRIOR PLILING DATE: 2001-12-19

PRIOR PLILING DATE: 2001-12-19

PRIOR PLILING DATE: 2001-12-19
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Pred. No. 4.3e-06;
1; Mismatches 1; Indels
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Best Local Similarity 88.2%;
Matches 15; Conservative
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JEDERAL INFORMATION:

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF92383
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR PILING DATE: 2004-02-11
PRIOR PILING DATE: 2004-02-11
PRIOR PILING DATE: 2004-02-11
PRIOR PILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-01-2
PRIOR PILING DATE: 2001-01-2
PRIOR PILING DATE: 2001-01-2
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-16
PRIOR PILING DATE: 2001-03-16
PRIOR PILING DATE: 2000-103-17
PRIOR PILING DATE: 2001-03-16
PRIOR PILING DATE: 2000-103-17
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 397
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SEQ ID NO 892
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Best Local Similarity 88.2
Matches 15; Conservative
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Matches 15; Conservative
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ORGANISM: Homo sapiens
US-11-054-515-397
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RESULT 21

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CURRENT APPLICATION NUMBER: 05/11/054,515

CURRENT FILING DATE: 2005-02-10

PRIOR APPLICATION NUMBER: 60/543,296

PRIOR PELICATION NUMBER: 60/580,347

PRIOR PELICATION NUMBER: 60/580,347

PRIOR PELICATION NUMBER: 10/293,418

PRIOR PELICATION NUMBER: 10/293,418

PRIOR PELICATION NUMBER: 60/331,469

PRIOR PELICATION NUMBER: 60/331,469

PRIOR PELICATION NUMBER: 60/340,817

PRIOR PELICATION NUMBER: 60/240,817

PRIOR PELICATION NUMBER: 60/293,499

PRIOR PELICATION NUMBER: 60/293,499

PRIOR PELICATION NUMBER: 60/293,499

PRIOR PELICATION NUMBER: 60/277,379

PRIOR PELICATION NUMBER: 60/240,816

PRIOR PELICATION NUMBER: 60/240,816

PRIOR PELICATION NUMBER: 60/240,816

PRIOR PELICATION NUMBER: 60/240,816

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-31

PRIOR PELING DATE: 2001-03-46

PRIOR PELING DATE: 2001-03-46
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Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICATION No. US2005025532A1
GENERAL INFORMATION:
APPLICATION WINDER: US/11/054,515
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT APPLICATION NUMBER: US/293,418
PRIOR APPLICATION NUMBER: US/293,418
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: US/293,418
PRIOR APPLICATION NUMBER: US/331,469
PRIOR APPLICATION NUMBER: US/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-01-2-19
PRIOR FILING DATE: 2001-01-2-19
PRIOR FILING DATE: 2001-01-2-19
PRIOR FILING DATE: 2001-02-21
PRIOR APPLICATION NUMBER: US/276,248
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NUMBER OF SEQ ID NOS: 3247
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             TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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US-11-054-515-1108
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Best Local Similarity
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US-11-054-515-1110
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US-11-094-215-110.

US-211-094-215-110.

US-211-094-215-110.

US-210-094-215-110.

US-210-094-215-110.

US-210-094-210-110.

US-210-094-210-110.

US-210-094-210-110.

US-210-094-210-10.

US-210-094-210.

US-210-094-210.
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PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NO 1102
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1102
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APPLICANT: Ruben et al.
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity
Matches 15; Conserv
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US-11-054-515-1108
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LENGTH: 249
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LICATION NUMBER: 60/580,347
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US-11-054-515-1113
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US-11-054-515-1115
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'Sequence 1113, Application US/11054515
'Publication No. US2005025532A1
'GENERAL INFORMATION:
'APPLICANT: Ruben et al.
'TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
'FILE REFERENCE: PF523P3
'CURRENT APPLICATION NUMBER: US/11/054,515
'CURRENT FILING DATE: 2005-02-10
'PRIOR APPLICATION NUMBER: 60/543,296
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                                                                          Length 249;
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                                                                                                   1; Indels
                                                                         Query Match 92.0%; Score 81; DB 7; I
Best Local Similarity 88.2%; Pred. No. 4.3e-06;
Matches 15; Conservative 1; Mismatches 1,
                                                                                                                                          50 VISYDGSNKYYADSVKG 66
                                                                                                                           1 VISFDGSNKYYVDSVKG 17
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Best Local Similarity 88.2*
Matches 15; Conservative
         ; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1110
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ORGANISM: Homo sapiens
US-11-054-515-1111
SEQ ID NO 1110
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PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2002-11-14
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PRIOR FILING DATE: 2001-11-16
PRIOR PLING DATE: 2001-12-19
PRIOR PLING DATE: 2001-12-19
PRIOR PLING DATE: 2001-12-19
PRIOR FILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-15
PRIOR PLING DATE: 2001-06-25
PRIOR PLING DATE: 2001-06-25
PRIOR PLING DATE: 2001-05-25
PRIOR PLING DATE: 2001-05-25
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-01-16
PRIOR FILING DATE: 2000-10-17
PRIOR PLING DATE: 2000-10-17
PRIOR PLING DATE: 2000-10-17
PRIOR FILING DATE: 2001-01-17
PRIOR PLING DATE: 2001-01-17
PRIOR FILING DATE: 2001-01-17
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| JAPELICANT: Ruben et al. |
| TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS |
| FILE REPREBERGE: PF62293 |
| CURRENT APPLICATION NUMBER: US/11/054,515 |
| CURRENT PILING DATE: 2005-02-10 |
| PRIOR PELICATION NUMBER: 60/580,347 |
| PRIOR PELICATION NUMBER: 60/580,347 |
| PRIOR PELICATION NUMBER: 60/580,347 |
| PRIOR PILING DATE: 2004-06-18 |
| PRIOR PILING DATE: 2002-11-14 |
| PRIOR PILING DATE: 2001-11-16 |
| PRIOR PILING DATE: 2001-11-16 |
| PRIOR PILING DATE: 2001-11-2-19 |
| PRIOR PILING DATE: 2001-11-2-19 |
| PRIOR PILING DATE: 2001-06-15 |
| PRIOR PILING DATE: 2001-03-21 |
| PRIOR PILING DATE: 2001-03-21 |
| PRIOR PILING DATE: 2001-03-21 |
| PRIOR PILING DATE: 2001-03-16 |
| PRIOR PILING DATE: 2001-10-17 |
| PRIOR PILING DATE: 200
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Publication No. US2005025532A1
GENERAL INFORMATION:
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Sequence 1724, Application US/11054515

Publication No. US2005025532A1

GENERAL INFORMATION:
TITLE OF INVENTION:
FILE REPERENCE:
FILE OF INVENTION:
CURRENT PILING DATE: 2005-02-10

FRIOR PELICATION NUMBER: 60/543,296

PRIOR PALICATION NUMBER: 60/580,347

PRIOR PALICATION NUMBER: 60/580,347

PRIOR PELING DATE: 2004-06-18

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/331,469

PRIOR APPLICATION NUMBER: 60/331,469

PRIOR APPLICATION NUMBER: 60/340,817

PRIOR APPLICATION NUMBER: 60/340,817

PRIOR PAPLICATION NUMBER: 60/340,817

PRIOR PAPLICATION NUMBER: 60/340,817

PRIOR PAPLICATION NUMBER: 60/293,499

PRIOR FILING DATE: 2001-06-12

PRIOR PAPLICATION NUMBER: 60/293,499

PRIOR PLING DATE: 2001-06-12

PRIOR PAPLICATION NUMBER: 60/293,499

PRIOR PLING DATE: 2001-06-12

PRIOR PAPLICATION NUMBER: 60/293,499

PRIOR PAPLICATION NUMBER: 60/2940,816

PRIOR PAPLICATION NUMBER: 60/240,816

PRIOR PAPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR PILING DATE: 2001-11-16
PRIOR PILING DATE: 2001-12-16
PRIOR PILING DATE: 2001-12-16
PRIOR PILING DATE: 2001-12-16
PRIOR PILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-06-15
PRIOR PLICATION NUMBER: 60/293,499
PRIOR PLICATION NUMBER: 60/293,499
PRIOR PLILING DATE: 2001-03-25
PRIOR PLILING DATE: 2001-03-21
PRIOR PLILING DATE: 2001-03-16
PRIOR PLING DATE: 2010-03-16
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Pred. No. 4.3e-06;
1; Mismatches 1; Indels
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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GRGANISM: Homo sapiens
US-11-054-515-1119
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ORGANISM: Homo sapiens
US-11-054-515-1724
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Publication No. US2005025532A1
GENERAL INPORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
CURRENT PEDLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-06-11
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-11-14
PRIOR FILING DATE: 2001-11-14
PRIOR FILING DATE: 2001-11-14
PRIOR PLING DATE: 2001-11-16
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-06-15
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR PLING DATE: 2001-01-16
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Publication No. US2005025532A1;
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS;
FILE REFRENCE: PF523P3
CURRENT APLICATION NUMBER: US/11/054,515
CURRENT PILING DATE: 2005-02-10;
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-06-18;
PRIOR FILING DATE: 2004-06-18;
PRIOR FILING DATE: 2004-10-14;
PRIOR FILING DATE: 2002-11-14
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                                                      Query Match 92.0%; Score 81; DB 7; Length 249; Best Local Similarity 88.2%; Pred. No. 4.3e-06; Matches 15; Conservative 1; Mismatches 1; Indels
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                                                                                                                                                                                                                                    1 VISFDGSNKYYVDSVKG 17
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Best Local Similarity 88.2
Matches 15; Conservative
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ORGANISM: Homo sapiens
US-11-054-515-1117
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US-11-054-515-1119
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US-11-054-515-1117
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Sequence 1394, Application US/11054515
Publication No. US2005025532A1
Publication No. US2005025532A1
Fubblication No. US2005025532A1
Fubblication No. US2005025532A1
Fubblication No. US2005025532A1
FILE REPREADE: PF523P3
CURRENT RILING DATE: 2005-02-10
FRIOR PELIOR DATE: 2005-02-10
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2004-06-18
FRIOR PELIOR DATE: 2004-06-18
FRIOR PELIOR DATE: 2001-11-16
FRIOR APPLICATION NUMBER: 60/330,409
FRIOR FILING DATE: 2001-11-16
FRIOR PELIOR DATE: 2001-11-16
FRIOR PELIOR DATE: 2001-06-15
FRIOR PELIOR DATE: 2001-06-15
FRIOR PELIOR DATE: 2001-06-15
FRIOR PELIOR DATE: 2001-06-15
FRIOR PELIOR DATE: 2001-06-25
FRIOR PELIOR DATE: 2001-06-25
FRIOR FILING DATE: 2001-03-21
FRIOR PELIOR DATE: 2001-03-21
FRIOR PELIOR DATE: 2001-03-21
FRIOR PELIOR DATE: 2001-03-21
FRIOR PELIOR DATE: 2001-03-16
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FRIOR PELIOR DATE: 2001-03-17
FRIOR PELIOR DATE: 2001-03-16
FRIOR PELIOR DATE: 2001-03-17
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-01-16
PRIOR FILING DATE: 2000-10-17
PROMAINING PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PROMAINING PRIOR APPLICATION NOW SEQ. ID NOS: 3247
SEQ. ID NO 1201
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Pred. No. 4.3e-06;
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88.2%; Pred. No. 4.3e-06;
tive 1; Mismatches 1; Indels
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1; Mismatches 1;
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Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity 88.2°
Matches 15; Conservative
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US-11-054-515-1201
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US-11-054-515-1394
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FILE REFERENCE: PF523P8
CURRENT APPLICATION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P8
CURRENT APPLICATION WINBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
FRIOR APPLICATION WINBER: 60/580,347
FRIOR APPLICATION WINBER: 60/580,347
FRIOR APPLICATION WINBER: 10/293,418
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-10-16
FRIOR FILING DATE: 2001-62-55
FRIOR PELING DATE: 2001-06-15
FRIOR FILING DATE: 2001-06-15
FRIOR FILING DATE: 2001-03-21
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR FILING DATE: 2001-03-21
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR FILING DATE: 2001-03-21
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR FILING DATE: 2001-03-21
FRIOR APPLICATION WUNBER: 60/240,816
FRIOR FILING DATE: 2001-03-21
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US-11-054-515-1201
US-11-054-515-1201
US-11-054-515-1201
Sequence 1201, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFRENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2004-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-11-14
PRIOR FILING DATE: 2001-11-14
PRIOR FILING DATE: 2001-11-14
PRIOR PLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-14
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR APPLICATION NUMBER: 09/880,748
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                                                                                                                                                                                                                                                                  Sequence 1725, Application US/11054515
Publication No. US20050255312A1
GENERAL INFORMATION:
   1 VISFDGSNKYYVDSVKG 17
                                               50 VISYDGSNKYYADSVKG 66
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; ORGANISM: Homo sapiens
US-11-054-515-1725
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Best Local Similarity
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US-11-054-215-1731
Sequence 1731, Application US/11054515
Publication No. US2005025532A1
Sequence 1731, Application US/11054515
Publication No. US2005025532A1
SEMERAL PROGRAMTION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FIGH REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: 00/543,296
PRIOR FILING DATE: 2006-02-10
PRIOR PELION DATE: 2006-06-18
PRIOR PELION DATE: 2002-11-16
PRIOR PELION DATE: 2002-11-16
PRIOR PELION DATE: 2002-11-16
PRIOR PELION DATE: 2001-11-16
PRIOR PELION DATE: 2001-11-16
PRIOR PELION DATE: 2001-11-16
PRIOR PELION DATE: 2001-12-19
PRIOR PELION DATE: 2001-06-12
PRIOR PELION DATE: 2001-06-12
PRIOR PELION DATE: 2001-06-12
PRIOR PELION DATE: 2001-06-12
PRIOR PELIOR DATE: 2001-06-13
PRIOR PELIOR DATE: 2001-06-16
PRIOR PELIOR DATE: 2001-06-16
PRIOR PELIOR DATE: 2001-06-16
PRIOR PELIOR DATE: 2001-03-11
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR PILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
LENGTH: 252
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Pred. No. 4.3e-06;
                                                                                                                                                                                                                                                                                                                                                                                                        Score 81; DB 7; Length 252;
Pred. No. 4.3e-06;
1; Mismatches 1; Indels
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US-11-054-515-977

Sequence 977, Application US/11054515

Publication No. US20050255532A1

GENERAL INFORMATION:
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Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity 88.2%;
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-11-054-515-1731
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US-11-054-515-1627
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                                                                                                                                                                 APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REPERENCE: PF52239
FILE REPERENCE: 2005-02-10
FILE REPERENCE: 2004-02-10
FILE REPERENCE: 2004-02-10
FRIOR APPLICATION NUMBER: 60/580,347
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2001-11-16
FRIOR PLING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-12-19
FRIOR FILING DATE: 2001-05-25
FRIOR FILING DATE: 2001-06-25
FRIOR FILING DATE: 2001-06-25
FRIOR FILING DATE: 2001-06-25
FRIOR FILING DATE: 2001-05-26
FRIOR FILING DATE: 2001-05-26
FRIOR FILING DATE: 2001-05-26
FRIOR FILING DATE: 2001-05-26
FRIOR FILING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-31
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Sequence 10.220505532A1

GENERAL INFORMATION:

GENERAL INFORMATION:

TILLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFRENCE: PF523P3

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT FILING DATE: 2005-02-10

PRIOR APPLICATION NUMBER: 60/543,296

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR FILING DATE: 2004-06-18

PRIOR FILING DATE: 2004-06-18

PRIOR FILING DATE: 2001-11-14

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-10-16

PRIOR FILING DATE: 2001-10-16

PRIOR FILING DATE: 2001-06-15

PRIOR FILING DATE: 2001-06-15
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                                                                         ; Sequence 1519, Application US/11054515; Publication No. US20050255532A1; GENERAL INFORMATION:
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88.2%;
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Best Local Similarity 88.29
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US-11-054-515-1519
                                                 US-11-054-515-1519
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US-11-054-515-1627
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ORGANISM:
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; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 981
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-981
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FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT PILING DATE: 2005-02-10
PRIOR PILING DATE: 2004-02-11
PRIOR PAPLICATION NUMBER: 60/580,347
PRIOR PLILING DATE: 2004-06-18
PRIOR PLILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2001-11-16
PRIOR PLILING DATE: 2001-11-16
PRIOR PLILING DATE: 2001-11-16
PRIOR PLILING DATE: 2001-12-19
PRIOR PLILING DATE: 2001-12-19
PRIOR PLILING DATE: 2001-06-15
PRIOR PLILING DATE: 2001-06-15
PRIOR PLILING DATE: 2001-06-15
PRIOR PLILING DATE: 2001-03-21
PRIOR PLILING DATE: 2001-03-31
PRIOR PLILING DATE: 2001-03-31
PRIOR PLILING DATE: 2001-03-31
PRIOR PLILING DATE: 2001-03-31
PRIOR PLILING DATE: 2001-03-16
PRIOR PLILING DATE: 2000-10-17
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Ruben et al.
NVENTION: Antibodies that Immunospecifically Bind BLyS
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88.2%; Pred. No. 4.4e-06;
iive 1; Mismatches 1; Indels
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Matches 15, Conservative
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ORGANISM: Homo sapiens
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US-11-054-515-981
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Length 254;
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Score 81; DB 7; 1
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                   Mismatches
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                                                                                                 Sequence 983, Application US/11054515
Publication No. US20050255532A1
GENERAL INFORMATION:
                                               50 VISYDGSNKYYADSVKG 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 VISFDGSNKYYVDSVKG 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                          92.0%;
88.2%;
Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
                                   1 VISFDGSNKYYVDSVKG
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Best Local Similarity 88.27
Matches 15; Conservative
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  heavy chain V-I
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                                                                        ; Search time 18.4655 Seconds (without alignments) 88.581 Million cell updates/sec
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Copyright (c) 1993 - 2005 Compugen Ltd
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A, Status: preliminary
A, Molecule type: DNA
A, Residues: 1-98 < TO2>
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PH1646
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ig heavy chain V-III region (TD-Vo) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 07-Jun-1990 #sequence_revision 07-Jun-1990 #text_change 31-Dec-2004
C;Accession: PLO120
R;Bird, J.; Gallli, N.; Link, M.; Stites, D.; Sklar, J.
Exp. Med. 168, 229-245, 1988
A;Title: Continuing rearrangement but absence of somatic hypermutation in immunoglobulir
A;Reference number: PL0116; MUID:88286083; PMID:2840480
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PL0116

PL0116

Ig heavy chain V-III region (AW-Vx) - human (fragment)

C; Species: Homo sapiens (man)
C; Species: Homo sapiens (man)
C; Date: 07-Jun-1990 #sequence_revision 07-Jun-1990 #text_change 23-Jul-1999
C; Accession: PL0116; S26892
C; Accession: PL0116; S26892
B; Bixd, J; Gallii, N.; Link, M.; Stites, D.; Sklar, J.
J. Exp. Med. 168, 229-245, 1988
A; Title: Continuing rearrangement but absence of somatic hypermutation in immunoglobulin A; Reference number: PL0116; MUD:88286083; PMID:2840480
A; Accession: PL0116
A; Residues: 1-98 cBIR>
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C.Species: Homo sapiens (man)
C.Species: Homo sapiens (man)
C.Species: Homo sapiens (man)
C.Accession: S4415
R.Hawkins, R.E.; Zhu, D.; Ovecka, M.; Winter, G.; Hamblin, T.J.; Stevenson, F.K.
R.Hawkins, R.E.; Zhu, D.; Ovecka, M.; Winter, G.; Hamblin, T.J.; Stevenson, F.K.
R.Description: Idiotypic vaccination against human B-cell lymphoma: rescue of variable A; Reference number: S44105
A; Accession: S44115
A; Accession: S44115
A; Residues: 1-97 cHMW.
A; Residues: 1-97 cHMW.
A; Residues: 1-97 cHMW.
A; Residues: 1-97 cHMW.
A; Cross-references: UNIPARC: UPI000011662B; EMBL: Z31384; NID: 9472969; PIDN: CAA83259.1; P.C; Supperfemily: immunoglobulin V region; immunoglobulin homology
                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPROT:Q8WUK1; UNIPROT:Q9UL93; UNIPARC:UPI0000176A2C
A;Experimental source: B cells from patient TD with acute lymphoblastic leukemia, ALL
A;Note: the sequence shows the V region (TD-Vo) from a nonproductive DNA rearrangement
C;Superfamily: immunoglobulin homology
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Pred. No. 7.2e-06;
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es 15; Conservative
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A; Residues: 1-94 <BIR>
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A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-98 c.TOM>
A;Residues: 1-98 c.TOM>
A;Cross-references: UNIPARC:UPIO000031F3A; EMBL:Z12349; NID:g32918; PIDN:CAA78219.1; PID:
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: acute lymphoblastic leukemia; heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology c.TMM>
F;31-38/Region: complementarity-determining 1
F;49-65/Region: complementarity-determining 2
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C;Specides: Homo sapiens (man)
C;Specides: Homo sapiens (man)
C;Accession: PH1646
R;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.
J; Exp. Med 178, 331.336, 1953
A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphyloci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Molecule type: DNA
A; Residues: 1-98 «TOM»
A; Cross-references: UDIN: CAA78997.1; PID
A; Cross-references: UDIN: CAA78997.1; PID
A; Cross-references: UN: Malter, G.; Marks, J.D.; Llewelyn, M.B.; Winter, G.
J. Mol. 127, 776-798, 1992
J. Mol. 1801, 776-798, 1992
A; Title: The repertoire of human germline V(H) sequences reveals about fifty groups of V. A; Fitle: The repertoire of human germline P(H) PMID: 1404388
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A;Note: designated DP-46
AjExperimental source: B cells from patient AW with acute lymphoblastic leukemia, ALL AjNote: the sequence shows the V region (AW-Vx) from a nonproductive DNA rearrangement Rjromlinson, I.M.; Walter, G.; Marks, J.D.; Llewelyn, M.B.; Winter, G. J. Mol. Biol. 227, 776-798, 1992
AjTitle: The repertoire of human germline V(H) sequences reveals about fifty groups of AjReference number: $26885; MUID:93021117; PMID:1404388
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C;Date: 07-Jan-1994 #sequence_revision 17-Nov-1995 #text_change 23-Jul-1999
C;Date: 07-Jan-1994 #sequence_revision 17-Nov-1995 #text_change 23-Jul-1999
C;Accession: S29546; S26888
R;Tomlinson, M:; Walter, G:; Cook, G.P.; Winter, G.
A;Reference to the EMBL Data Library, October 1992
A;Reference number: S29543
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;Keywords: heterotetramer; immunoglobulin
;15-98/Domain: immunoglobulin homology <IMM>
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Pred. No. 7.5e-06;
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Pred. No. 7.5e-06;
1; Mismatches 1
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Best Local Similarity 88.2%;
Matches 15; Conservative
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C;Accession: PH1642
R;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.
C;Accession: PH2642
R;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.
A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphylo.
A;Reference number: PH1642; MUID:93301610; PMID:8315388
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F;15-98/Domain: immunoglobulin homology <IMM>
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A;Title: In vitro assembly of repertoires of antibody chains on the surface of phage A;Reference number: $46390; MUID:94254092; PMID:8196048
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PH1642
Ig heavy chain V region (clone 5A10) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 31-Dec-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ig heavy chain V region - human
C;Species: Homo sapiens (man)
C;Date: 27-Jan-1995 #sequence_revision 27-Jan-1995 #text_change 20-Jun-2000
                                                                                                                                                                                                                                                                 Gaps
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                                                                                C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin F;7-90/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                     Length 121;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Reaidues: 1-108 4HID>
A;Cross-references: UNIPROT:QBWUK1; UNIPARC:UPI0000176B78
C;Superfamily: immunoglobulin homology
C;Keywords: heerotetramer; immunoglobulin
F;7-90/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                     85.2%; Score 75; DB 2; 1
88.2%; Pred. No. 8.6e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            84.1%; Score 74; DB 2; I
82.4%; Pred. No. 0.00011;
                                                                                                                                                                                                                                                              0; Mismatches
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                             Cross-references: UNIPARC:UPI0000176BE2
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nes 14; Conservative
                                                                                                                                                                                                                                                                                                                                                     42 VISDDGSNKYYADSVKG
                                                                                                                                                                                                                                                                                                                    1 VISFDGSNKYYVDSVKG
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Best Local Similarity 82.49
Matches 14; Conservative
                                                                                                                                                                                                                                                                 Conservative
                                                           A; Experimental source: B cell
                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 15; Conserv
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A, Status: preliminary
A, Molecule type: DNA
A, Residues: 1-114 <FIG>
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Matches
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S31111
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Ig heavy chain V region (clone RIV) - human (fragment)

Syspecies: Homo sapiens (man)

C;Species: 194-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 16-Aug-1996

C;Accession: PHIGGO

R;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.

A;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.

A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphylc

A;Reference number: PHIG42; MUID:93301610; PMID:8315388
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Ig heavy chain V region (clone SJI) - human (fragment)

C;Species: Homo sapiens (man)

C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 16-Aug-1996

C;Accession: PH1661

C;Accession: PH1661

C;Accession: PH1661

C;Accession: PH1661

A;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.

A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphyld
                                                                                                                                                                                      January Chain V region - human (fragment)

C;Species: Homo sapiens (man)

C;Species: Homo sapiens (man)

C;Species: Homo sapiens (man)

C;Species: Homo sapiens (man)

C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999

C;Accession: 531701

R;Cuisinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.

R;Cuisinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.

A;Description: Mechanisms that generate human immunoglobulin diversity operate from the A;Reference number: 531585

A;Accession: 531701

A;Accession: S31701

A;Accession: S1701

A;Residues: 1-137 <CUI>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Cross-references: UNIPARC:UPI000011645D; EMBL:214177; NID:931020; PIDN:CAA78546.1; PID C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin F;34-117/Domain: immunoglobulin homology <IMM>
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A; Residues: 1-118 < HLL>
A; Residues: 1-118 < HLL>
A; Croses-references: UNIPARC: UPI0000176BE1
A; Experimental meource: B cell
C; Superfamily: immunoglobulin V region; immunoglobulin
C; Keywords: heterotetramer; immunoglobulin
F;7-90/Domain: immunoglobulin homology < IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 137;
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82.4%; Pred. No. 2.8e-05;
.ive 2; Mismatches 1; Indels
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Best Local Similarity 88.2%; Pred. No. 2.2e-05;
Matches 15; Conservative 1; Mismatches 1.
                             VISYDGSNKYYPDSVKG 85
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1 VISFDGSNKYYVDSVKG 17
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Best Local Similarity 82.4°
Matches 14; Conservative
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A, Molecule type: mRNA
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A;Reference number: S26885; MUID:93021117; PMID:1404388
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C; Species: Homo sapiens (man)
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ses 14; Conservative
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Best Local Si
Matches 14;
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A; Residues: 1-128 < MAHS.
A; Residues: 1-128 < MAHS.
A; Cross-references: UNIPARC: UPI0000116700; EMBL: Z46379; NID: GS87147; PIDN: CAA86512.1; PI
A; Cross-references: UNIPARC: WINGER, J.D.; Llewelyn, M.B.; Winter, G.
B; Tomlinson, I.M.; Walter, G; Marks, J.D.; Llewelyn, M.B.; Winter, G.
J. Mol. Biol. 227, 776-798, 1992
A; Title: The repertoire of human germline V(H) sequences reveals about fifty groups of W
Ig heavy chain - human (Species: Homo sapiens (man) (CjSpecies: Homo sapiens (man) (CjSpecies: Homo sapiens (man) (CjSpecies: O2-Dec-1993 #sequence_revision 26-May-1995 #text_change 17-Mar-1999 (CjAccession: 531111 R;Raaphorst, F.M.; Timmers, E.; Kenter, M.J.H.; van Tol, M.J.D.; Vossen, J.M.; Schuurman R;Raaphorst, F.M.; Timmers, E.; Kenter, M.J.H.; van Tol, M.J.D.; Vossen, J.M.; Schuurman A;Reference number: 531104; MUD:92111633; PMID:1730252 A;Accession: 531111 A;Accession: 531111 A;Accession: S31111 A;Accession: S3111 A;Accession: S31111 A;Accession: S31111 A;Accession: S31111 A;Accession: S31111 A;Accession: S31111
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S3117

S3117

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S3117

S3117

C; Dates the complement of the complem
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A;Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1991
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
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A,Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1991
C,Superfamily: immunoglobulin V region; immunoglobulin homology
C,Keywords: heterotetramer; immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 33
S48797
19 heavy chain V region (anti-Sm, VH3/Dxp4/JH6) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 13-Jan-1995 #sequence_revision 13-Sep-1998 #text_change 23-Jul-1999
C;Accession: S48797; S2683
C;Accession: S48797
S;Mahmoudi, M.; Edwards, J.; Cairns, E.; Bell, D.
submitted to the EMBL Data Library, October 1994
A;Reference number: S48797
A;Reference number: S48797
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1 Similarity 82.4%; Pred. No. 0.00012;
14; Conservative 1; Mismatches 2; Indels
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Pred. No. 0.00013;
1; Mismatches 2; Indels
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C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 VISFDGSNKYYVDSVKG 17
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82.48;
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A; Residues: 1-122 <RAA>
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A;Accession: S26893
A;Molecule type: DNA
A;Residues: 1-98 «TOM»
A;Residues: 1-98 «TOM»
A;Cross-references: UNIPARC:UPI0000038183; EMBL: Z12350; NID: g32922; PIDN:CAA78220.1; PID: C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology «IMM»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C;Accession: A49028
R;Timmers, E.; Kenter, M.; Thompson, A.; Kraakman, M.E.; Berman, J.E.; Alt, F.W.; Schuurn Eur. J. Immunol. 21, 2355-2363, 1991
A;Title: Diversity of immunoglobulin heavy chain gene segment rearrangement in B lymphobll A;Reference number: A49028; MUID:92008140; PMID:1915549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Accession: A49028
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-13 < TINA
A;Residues: 1-13 < TINA
A;Residues: 1-13 < TINA
A;Cross-references: UNIPARC:UPI0000113F2C; GB:S64471; NID:g236904; PIDN:AAB20011.1; PID:g
A;Experimental source: X-linked agammaglobulinemia patients, B lymphoblastoid cell lines
A;Note: sequence extracted from NOSI backbone (NCBIN:64471, NCBIP:64470)
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology < IMM>
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C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 17-Mar-1999
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 17-Mar-1999
C;Accession: A60943; A48165
R;Desai, R.; Spatz, L.; Matsuda, T.; Ilyas, A.A.; Berman, J.E.; Alt, F.W.; Kabat, E.A.; Il
J. Neuroimmunol. 30, 245, 1990
A;Title: Molecular cloning of a human immunoglobulin heavy chain variable (V-H) region walk Reference number: A60943; MUID:91036050; PMID:1699976
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A;Status: not compared with conceptual translation
A;Status: n.151 cDES:
A;Residues: 1-151 cDES:
A;Cross-references: UNIPARC:UPI0000176C11
R;Desai, R; Spatz, L; Matsuda, T:; Ilyas, A.A.; Berman, J.E.; Alt, F.W.; Kabat, E.A.; I
J. Neuroimmunol. 26, 35-41, 1990
A;Ftle: Molecular cloning of a human immunoglobulin heavy chain variable (V-H) region wil
A;Reference number: A48165; MUID:90094677; PMID:1688442
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C;Date: 21-Jan-1994 #sequence_revision 18-Nov-1994 #text_change 23-Jul-1999
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A;Residues: 1.36,'M',38-62,'AR',67-151 <DB2>
A;Croselreferences: UNIPARC:UP10000176C12
A;Note: this sequence has been corrected in reference A60943
C;Superfamily: immunoglobulin V region; immunoglobulin homology
                                                                                                                                                                                                                                                                                                                                             Length 128;
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Pred. No. 0.00014;
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                                                                                                                                                                                                                                                                                                                                             84.1%; Score 74; DB 2; 1
82.4%; Pred. No. 0.00013;
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Search completed: December 14, 2005, 07:31:49 Job time : 18.4655 secs

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A;Cross-references: UNIPARC:UP1000011649C; EMBL:Z17389; NID:g32835; PIDN:CAA78994.1; PID C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Cross-references: UNIPPARC:UPI0000118DEA; EMBL:Z18850; NID:g33123; PIDN:CAA79302.1; PID C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin C;Keywords: heterotetramer; immunoglobulin homology <IMM>
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R;Griffiths, A.D.; Malmqvist, M.; Marks, J.D.; Bye, J.M.; Embleton, M.J.; McCafferty, J. EMBO J. 12, 725-734, 1993

A;Title: Human anti-self antibodies with high specificity from phage display libraries.

A;Reference number: S36256; MUID:93178448; PMID:7679990
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C;Species: Homo sapiens (man)
C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999
C;Accession: 831689
R;Culsinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.
submitted to the EMBL Data Library, June 1992
A;Description: Mechanisms that generate human immunoglobulin diversity operate from the
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C;Species: Homo sapiens (man)
C;Date: 03-Feb_1994 #sequence_revision 03-Feb-1994 #text_change 23-Jul-1999
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Best Local Similarity 81.2%; Pred. No. 0.00025;
Matches 13; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                       Length 98
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                                                                                                                                                                                                                                                                                                                       Score 72; DB 2; 1 Pred. No. 0.00021;
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81.2%; Pred. No. 0.00029;
iive 1; Mismatches 2
                           Ö.
                      R;Tomlinson, M.; Walter, G.; Cook, G.P.; Winter, submitted to the EMBL Data Library, October 1992 A;Reference number: S29543
                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                                                                                                                                                                                                   F:15-98/Domain: immunoglobulin homology <IMM>
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Best Local Similarity 81.2%;
Matches 13; Conservative
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51 IRYDGSNKYYADSVKG 66
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Best Local Similarity 81.2<sup>3</sup>
Matches 13; Conservative
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A; Residues: 1-134 <CUI>
                                                                                                        A; Accession: S29543
A; Molecule type: DNA
A; Residues: 1-98 <TOM>
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A; Status: preliminary
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     C; Accession: S29543
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S31510
Ig heavy chain - human
C;Species: Homo sapiens (man)
C;Decise: Homo sapiens (man)
C;Decise: Homo sapiens (man)
C;Decise: Homo sapiens
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 23-Jul-1999
C;Accession: 331510
R;Chastagner, P: Demaison, C.; Theze, J.; Zouali, M.
R;Chastagner, P: Demaison, C.; Theze, J.; Zouali, M.
R;Cession: Dominance of clonotypic patterns and variable gene usage of anti-DNA autc
A;Reference number: S31509
A;Accession: S31510
A;Status : Perliminary
A;Molecule type: mRNA
A;Residues: 1-133 cCHA>
A;Cross-references: UNIPARC:UPIO0001160FE; EMBL:X69865; NID:g33092; PIDN:CAA49499.1; PIC
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;26-109/Domain: immunoglobulin homology <IMM>
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PH1662
PH1662

PH1662

PH1662

Graduary chain V region (clone TS2) - human (fragment)

C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 16-Aug-1996
C;Accession: PH1662
R;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.
J. Exp. Med. 178, 331-336, 1993
A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphyld
A;Reference number: PH1642; MUID:93301610; PMID:8315388
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829543
19 heavy chain V region (COS 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 07-Jan-1994 #sequence_revision 17-Nov-1995 #text_change 23-Jul-1999
                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Experimental source: B cell
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-90/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 133;
                                                                               Length 151;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 118;
                                                    Score 74; DB 2; Length 13. Pred, No. 0.00016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 73; DB 2; I
Pred. No. 0.00017;
3; Mismatches 1;
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81.2%; Pred. No. 0.0002;
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C;Keywords: heterotetramer; immunoglobulin F;34-117/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Cross-references: UNIPARC: UPI0000176BE3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 VISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                  69 VISFDGGTKYYADSVKG 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 VISFDGSNKYYVDSVKG 17
                                                                          Query Match
Best Local Similarity 82.4%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  83.08;
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|SYDGSNEYYADSVKG 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13; Conservative
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Best Local Similarity
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A,Accession: PH1662
A,Molecule type: mRNA
A,Residues: 1-118 <HIL>
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DR INTERPRO, IPR003597; Ig_ALTO.

DR INTERPRO; IPR003006; Ig_MG.

DR Pfam; PP07654; C1-8et; 3.

R SMART; SM00409; IG; 2.

R SMART; SM00409; IG; 2.

R SWART; SM00406; IG_LIKE; 3.

R PROSITE; PS00336; IG_LIKE; 3.

R PROSITE; PS00390; IG_MHC; UNKNOWN_2.

HYDOThetical protein .

NON TER 1

SEQUENCE 417 AA; Afret ...
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          InterPro; IPR007110; Ig-like.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SMR; QGPJA4; 20-470.
InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
InterPro; IPR003597; Ig_c1.
InterPro; IPR003006; Ig_MHC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q6PJA4 HUMAN PRELIMINARY; AC Q6PJA4; — ("Termeliel") 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GHG1 protein.
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein DKF2p686I04196 (Fragment).
Name-DKF2p686I04196;
Homo sapiens (Hunan).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Griffiths A.D., Malmqvist M., Marks J.D., Bye J.M., Embleton M.J., McCafferty J., Baier M., Holliger K.P., Gorick B.D., Hughes-Jones N.C., "Hughes-Jones N.C.,"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Manheimer-Lory A., Katz J.B., Pillinger M., Ghossein C., Smith
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Molecular characteristics of antibodies bearing an anti-DNA-associated idiotype.";
J. Exp. Med. 174:1639-1652(1991).
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                                                                                                                                                                                                                                                                                                                  Tange Y., Kayano H.;
Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                95 AA; 10527 MW; 90A8C6D16D22574A CRC64;
   Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            417 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBO J. 12:725-734(1993).
EMBL, AB032548; BAA87067.1; -; Genomic_DNA.
PIR; PH0872; PH0872.
PIR; S36280; S36280.
01-MAR-2004 (TrEMBLrel. 26, Last ann
Imunoglobulin heavy chain (Fragment)
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InterPro; IPR007110; Ig-like.
InterPro; IPR001596; Ig_v.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QGN093_HUMAN PRELIMINARY;
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                                                                           Homo sapiens (Human).
                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
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PubMed=7679990;
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                                                                                                                                                                                                          NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                libraries.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Diamond B.;
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060093 HU
060093 HU
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RX TUSSUE=Primary B-Calls.

RX Strausberg L. Feingold E.A., Grouse L.H., Derge J.G.,

RDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

RIAL Strausberg R.D., Collins F.S., Wagner L., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Diatchenko L., Marubina K., Farmer A.A., Rubin G.M., Hong L.,

RA Diatchenko L., Marubina K., Farmer A.A., Rubin G.M., Hong L.,

Rapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Rapleton M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C.,

Rapleton M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Raba S.S., Loquellano N.A., Sodergren E.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Butterfield Y.S.N., Krzywinski M.I., Shalska U., Smailus D.E.,

Raching A., Schein J.E., Jones S.J.M., Marra M.A.;

Raching A., Schein J.E., Jones S.J.M., Marra M.A.;

Raching A., Malan A., Wonny B. W.,

Raching A., Schein J.E., Jones S.J.M., Marra M.A.;
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                               Length 417;
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EMBL; BC018747; AAH18747.1; -; mRNA.
417 AA; 46061 MW; C4518E844CFB883C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
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                                                                                                    Query Match 73.9%; Score 65; DB 2; Best Local Similarity 64.7%; Pred. No. 0.033; Matches 11; Conservative 4; Mismatches 5
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PROSITE; PS00290; IG MHC; UNKNOWN 2.
SEQUENCE 478 AA; 52667 MW; 17BED38D917970D6 CRC64;
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InterPro; IPR007110; Ig-like.
InterPro; IPR003597; Ig c1.
InterPro; IPR003596; Ig MHC.
InterPro; IPR003596; Ig v.
Pfam; PP07654; C1-Bet; 3.
SMART; SM00406; IGv;
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                                                                                                                                                         2 ISFDGSNKYYVDSVKG 17
                                                                                                                                                                                             70 IKQDGSEKYYVDSVKG 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (TrEMBLrel. 12, (TrEMBLrel. 12, (TrEMBLrel. 25,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Rectum tumor;
The German cDNA Consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             69 VISYDGNHKLYSDSVKG
                                                                                                                                                                                                                                                                               1 HUMAN Q7Z351 HUMAN PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    O9Y509 HUMAN PRELIMINARY;
O9Y509;
                                                                    Query Match 73.9
Best Local Similarity 81.2
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12; Conservative
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01-NOV-1999 (TrEMBLrel.
01-OCT-2003 (TrEMBLrel.
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MEDLINE=2218825; PubMed=12477932; DOI=10.1073/pnas.242603899;
MA Klausher R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Brownstein M.J., Ugdin T.B., Todallyuki S., Carninoi P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzuy D.M., Sodergren B.J., Lu X., Gibbs R.A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Gereen E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                              ö
                                                                                                                                                                                               73.9%; Score 65; DB 2; Length 470; 81.2%; Pred. No. 0.037; ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NIH MGC Project;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC041037; AAH41037.1; -; mRNA.
InterPro; IPR003596; Ig v.
Pfam; PF07654; Cl-set; 3.
SMART; SM00409; IG; 2.
SMART; SM00407; IGcl; 3.
SMART; SM00406; ICv; 1.
PROSITE; PS50835; IG_LIKE; 4.
PROSITE; PS002909; IG MC; UNKNOWN 2.
SEQUENCE 470 AA; 51716 MW; 7B49556A11FD7D99 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                        478 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Created)
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Interpro; IPR007110; Ig-like.
Interpro; IPR003597; Ig cl.
Interpro; IPR00306; Ig_MHC.
Interpro; IPR003596; Ig_V.
Pfam; PF07654; Cl-set; 3.
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PROSITE; PS50835; IG_LIKE; 4.
                                                                                                                                                                                                                                                                                        2 ISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                                                                                                              70 IKODGSEKYYVDSVKG 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27,
                                                                                                                                                                                                                                                                                                                                                                                                                                      QEPIB1_HUMAN PRELIMINARY;
QEPIB1;
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SMART; SM00409; IG; 2.
SMART; SM00407; IGC1; 3.
SMART; SM00406; IGC1; 3.
                                                                                                                                                                                                                                              13; Conservative
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                                                                                                                                                                                                                       Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GHM protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Name=IGHM;
                                                                                                                                                                                                      Query Match
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Matches
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DD C6-JU
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01-077-2003 (TEBMBLrel. 25, Created)
01-077-2003 (TEBMBLrel. 25, Last sequence update)
01-077-2004 (TEBMBLrel. 26, Last annotation update)
01-MAR-2004 (TEBMBLrel. 26, Last annotation update)
Name-DKFZp666N02209.
Name-DKFZp666N02209.
Name-DKFZp666N02209.
Name-SKFZp666N02209; Craniata; Vertebrata; Buteleostomi;
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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                                                                      Gaps
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MEDLINE=960711149; PubMed=7475288;
Cao J., Vescio R.A., Rettig M.B., Hong C.H., Kim A., Lee J.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.6%; Score 63; DB 2; Length 482; 70.6%; Pred. No. 0.084; 2; Indels iive 3; Mismatches 2; Indels
   Length 478;
                                                                      3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PROSITE; PSS0835; IG_LIKE; 4.
PROSITE; PS00290; IG_MHC; UNKNOWN 2.
Hypothetical protein; Immunoglobulin domain.
SEQUENCE 482 AA; 52852 MW; EDATSF1901D1A034 CRC64;
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Last annotation update)
73.9%; Score 65; DB 2;
81.2%; Pred. No. 0.038;
iive 0; Mismatches
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Gaps

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Indels

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Mismatches

3;

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11; Conservative
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OGDDQ7 XENLA
         Matches
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WEDINELSTREELYMDA

Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Chile B.A., Calling F.S., Wagner L., Shenmen C.M., Schuler G.D., Rlausner R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D., Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Diatchenko L., Marusina K., Farmer A.H., Rubin G.M., Hong L., Stapleton M., Scares M.B., Bonaldo M.F., Casavant T.L., Scheez T.E., Stapleton M.J. Usdin T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosk S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.W., Sodergen B.J., Lu X., Gibbs R.A., Richards S., Worley K.C., Shevchenko Y., Bouffard G.G., Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., A Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Railla D.E., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Gronerzh A., Schein J.E., Jones S.J.M., Marra M.A.;
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                             "A CD10-positive with patient cells is identified in multiple myeloma using PCR with patient-specific immunoglobulin gene primers."; Leukemia 9:1948-1953 (1955).

EMBL; S80860; AAD14339-1; -; mRNA.

HSSP; P01842; IAQK.

Ensembl; BNSG0000013300-76; Homo sapiens.

GO; GO:0005887; C:integral to plasma membrane; NAS.

GO; GO:0016066; P:cellular defense response (sensu Vertebrata); NAS.

InterPro; IPR007110; 1g-like.

InterPro; IPR007110; 1g-like.

SWART; SM00406; IGV;

PROSTE; PSS0835; IG_LIKE; 1.
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; BC092518; AAH92518.1; -; mRNA.
SEQUENCE 469 AA; 51254 MW; AC13448B3047784F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    147 AA; 15768 MW; 8489FCAAA7BC925C CRC64;
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Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 64.7'
Matches 11; Conservative
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Q569F4;
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Best Local Similarity
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Name=IGHG1;
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SEQUENCE
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OS69F4HUM
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Score 61; DB 2; Length 469; Pred. No. 0.18;

69.3%;

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Straubberg R.L., Feingold B.A., Grouse L.H., Dorge J.G.,

Klauener R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhar N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhar N.K.,

A platchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Boatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Brownstein M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Raba S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rabay J., Helton E., Ketteman M., Madan A., Kodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

B. Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

""Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Klein S., Strausberg R.;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC077477; AAH7747.1; -; MRNA.
GO; GO:0030106; F:MHC class I receptor activity; IEA.
GO; GO:0019883; P:antigen presentation, endogenous antigen; IEA.
GO; GO:0019885; P:antigen processing, endogenous antigen via . .; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W., Richardson P.,
                                                                                                                                                                                                                                                                                                       Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Spleen;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
                                                                                                                                                                             25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                Kenopus laevis (African clawed frog).
                                                                                                                                         PRT;
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InterPro; IPR001359; Ig.
InterPro; IPR00110; Ig-11ke.
InterPro; IPR003506; Ig_MHC.
InterPro; IPR003506; Ig_WHC.
InterPro; IPR001680; MD40.
InterPro; IPR001680; MD40.
SMART; SM00407; IG; 4.
SMART; SM00407; IGC; 4.
                                                                                                                                                                                                                                                                                                                                         Xenopodinae; Xenopus; Xenopus.
NCBI_TaxID=8355;
1 VISFDGSNKYYVDSVKG 17
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                                      69 LISWDGGSTYYADSVKG
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                                                                                                                                         QGDDQ7_XENLA PRELIMINARY;
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Name=MGC69066;
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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"The rule of antibody structure. The primary structure of a monoclonal IgG1 immunoglobulin (myeloma protein Nie). III. The chymotryptic peptides of the H-chain, alignment of the tryptic peptides and discussion of the complete structure.";
Hoppe-Seyler's Z. Physiol. Chem. 357:1571-1604(1976).
                                                                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDITION OF The Number of the No. 1 Hilschmann N.;

Dreker L., Schwarz J., Reichel W., Hilschmann N.;

Dreker L., Schwarz J., Reichel W., Hilschmann N.;

Ruth of antibody structure. The primary structure of a monoclonal light immunoglobulin (myeloma protein Nie), I: purification and characterization of the protein, the L- and H-chains, the cyanogen brondid cleavage products, and the disulfide bridges.";

Brondid Cleavage products, and the disulfide bridges.";

Hoppe-Seyler's Z. Physiol. Chem. 357:1515-1540(1976).
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-!- SIMILARITY: Contains 1 Ig-like (immunoglobulin-like) domain.
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119 AA; 13243 MW; C96935A6E55E165B CRC64;
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SMART; SM0406; IGv. 1.
PROSITE; PS50315; IG_LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region; Pyrrolidone carboxylic acid.
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HSSP, P01772; 2FB4.
SMR; P01770; 1-119.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_V.
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21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Ig heavy chain V-III region NIE.
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MEDLINE=77070269; PubMed=826475;
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Beet Local Similarity 52.30,
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                                                                                                     Homo sapiens (Human)
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HV3L HUMAN
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Florent G., Lehman D., Putnam F.W.;
"The switch point in mu heavy chains of human IgM immunoglobulins.";
Blochemistry 13:2482-2488(1974).
-I- MISCELLANEOUS: This chain was isolated from a Waldenstrom's
                                                                                                                                                                                 Gaps
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SIMILARITY: Contains 1 Ig-like (immunoglobulin-like) domain.
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                                                                                                                         Score 61, DB 2; Length 614;
Pred. No. 0.24;
1; Mismatches 4; Indels
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SMR; PO176; 5-122.

GO; GO:0005823; F:antigen binding; NAS.

GO; GO:0005825; P:immune response; NAS.

InterPro; IPR007110; Ig-1ike.

InterPro; IPR003196; Ig-v.

SMART; SM00406; IGv; I.

PKOSITE; PSS0835; IG_LIKE; I.

Direct protein sequencing; Immunoglobulin domain;

Immunoglobulin V region; Pyrrolidone carboxylic acid.
     PROSITE; PS50835; IG_LIKE; 5.
PROSITE; PS00290; IG_MHC; UNKNOWN 4.
PROSITE; PS00678; WD_REPEATS 1; UNKNOWN 1.
SEQUENCE 614 AA; 68254 MW; 2631B7CF955270C0 CRC64;
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122 AA; 13167 MW; 74E5B6959E84100A CRC64;
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10-MAY-2005 (Rel. 47, Last annotation update)
IIG heavy chain V.III region GA.
Homo sapiens (Human).
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50 VISYBGBBZYYAASVKG
                                                                                                                                                     Local Similarity 70.6
18 12; Conservative
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P01769;
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                                                                                                                                                 PROTEIN SEQUENCE (MYELOMA PROTEIN BUR).

MEDLINE=79151016; PubMed=107164;

Putnam F.W., Liu Y.-S.V., Low T.L.K.;

Putnam F.W., Liu Y.-S.V., Low T.L.K.;

Primary structure of a human 1gA1 immunoglobulin. IV. Streptococcal

1gA1 protease, digestion, Fab and Fc fragments, and the complete amino
acid sequence of the alpha 1 heavy chain.";

J. Blod. Chem. 254:2865-2844(1979).
-!- SIMILARITY: Contains 1 1g-like (immunoglobulin-like) domain.
                                 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhin; Hominidae;
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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EMBL, CR749861; CAH18705.2; -; mRNA.
SMR; Q68CN4; 43.493.
GO, GO:0016021; C.integral to membrane; IEA.
InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PIR; A02056; AlHUBR.
HSSP; P01772; 2FB4.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0008823; F:ammine regions, NAS.
GO; GO:0006955; P:immine regionse; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR007110; Ig-like.
PROSITE; PS50835; IG_LIKE; 1.
Direct protein sequencing; Glycoprotein; Immunoglobulin domain;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ig-like.
Pyrrolidone carboxylic acid.
N-linked (GlcNAc. ..).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12981 MW; 12A709A75344D024 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Immunoglobulin V region; Pyrrolidone carboxylic acid.
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25-0CT-2004 (TrEMBLrel. 28, Last sequence update)
25-0CT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical protein DKFZp686E23209.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 470 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :||: ||: || ||:|
50 LISYGGSBTYYADSVRG 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 VISFDGSNKYYVDSVKG 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q68CN4_HUMAN PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (Human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             119 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=9606;
                                                                                         NCBI_TaxID=9606;
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MOD RES
CARBOHYD
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SEQUENCE
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CG68CN4 HUM
LD QG68CN
AC QG68CN
DT 25-OC
DT 25-
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE-88277139; PubMed-9614934; DOI=10.1006/clin.1998.4531; Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M., Young D.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            64.8%; Score 57; DB 2; Length 121; 64.7%; Pred. No. 0.18; ive 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                      65.9%; Score 58; DB 2; Length 470; 58.8%; Pred. No. 0.57; ive 4; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Myosin-reactive immunoglobulin heavy chain variable region
InterPro; IPR003597; Ig_cl.
InterPro; IPR003065; Ig_MHC.
InterPro; IPR003006; Ig_WHC.
InterPro; IPR003596; Ig_v.
Fam; PF07654; Cl.set; 3.
SNART; SM00409; IG; 2.
SNART; SM00406; IGvl.
SNART; SM00406; IGvl.
PROSITE; PS00290; IG_MIC; UNKNOWN_2.
PROSITE; PS00290; IG_MIC; UNKNOWN_2.
PROSITE; PS00290; IG_MIC; UNKNOWN_2.
PROSITE; PS00290; IG_MIC; UNKNOWN_2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121 AA; 13154 MW; 2F045CCFA5D50736 CRC64;
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01-WAY-2000 (TrEMBLrel. 13, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
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Last sequence update)
Last annotation update)
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EMBL; AF035643; AAD56279.1; -; mRNA.
EMS; PO1852; INFD.
EMR; Q9UL71; 1-121.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ensembl; ENSG0000130076; Homo sapiens.
InterPro; IPR007110; Ig-11ke.
InterPro; IPR007110; Ig-1.
InterPro; IPR0071596; Ig-v.
SMART; SM0406; IG-v; 1.
PROSITE; PS50835; IG_LIKE; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              69 VISYEGGKQHYADSVKG 85
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 HUMAN
QQUL71 HUMAN PRELIMINARY;
Q9UL71;
                                                                                                                                                                                                                                                                                                                                                 Local Similarity 58.8
les 10; Conservative
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nes 11; Conservative
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NUCLEOTIDE SEQUENCE.
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RRAP
BRATTA
BRAT
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

METARUBDER R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heish F.,

Distribution L., Marusins K., Farmer A.A., Rubin G.M., Hong L.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.A., McEwan P.J., McKernan M., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunarathe P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Miting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rodiguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzzwinski M.I., Skalska U., Smailus D.E.,

B. Schnerch A., Schein J.E., Jones E.D., Marra M.A.;

"Generation and initial analysis of more than 15,000 full-length human
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
Muroidea, Muridae, Murinae, Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     --- FUNCTION: Beta-2-microglobulin is the beta-chain of major
--- FUNCTION: Beta-2-microglobulin is the beta-chain of major
--- BOBCELLULAR LOCATION: Secreted (By similarity).

EMBL; BCO88423; AAH88423.1; -; mRNA.
R InterPro; IPR003109; Ig.
R InterPro; IPR003109; Ig.
R InterPro; IPR003109; Ig.
R InterPro; IPR003109; Ig.
R RMART; SM00409; IG; 3.
R SWART; SM00406; IG; 3.
R SWART; SM00406; IGv; 1.
R PROSITE; PS50835; IG LIKE; 4.
R PROSITE; PS50835; IG LIKE; 4.
R MININOGLObulin domain; Repeat.
C SEQUENCE 461 AA; 50949 MW; 25EA4ECE6FE0F5A9 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (DEC-2004) to the EMBL/GenBank/DDBJ databases.
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10-WAY-2005 (TrEMBLrel. 30, Last sequence update)
10-WAY-2005 (TrEMBLrel. 30, Last annotation update)
Anti-RhD monocional T125 gammal heavy chain precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mouse cDNA sequences,
Rattus norvegicus (Rat)
                                                                                                                                                                    [1]
NUCLEOTIDE SEQUENCE.
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                                                                                                                                  NCBI_TaxID=10116;
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NCBI_TaxID=9606;
[1]
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Attachus E-Spieder S. Pubmed=12477932; DOI=10.1073/pnas.242603899; Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Schuler G.D., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Rapleton M.J., Usdin T.B., Ponaldo M.F., Casavant T.L., Scheetz T.E., Rapleton M.J., Usdin T.B., Ponaldo M.F., Carainci P., Prange C., Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Rachards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Altaland D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Hulyk S.W., Whiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G., Abhiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G., Shevchenko Y., Smailus D.E., Schnerch A., Schmittial and Jim., Schmutz J., Myers R.M., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rattus norvegicus (Rat).
Bukaryota; Metezao; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gape
Gaucher C., Klein P., Beliard R.; "Sequence determination of the recombinant human anti-RhD monoclonal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Potential.
anti-RhD monoclonal T125 gammal heavy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ..
0
                                                                        auctody 1123.;

Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases.

EMBL; AY894992; AAM82028.1; -; mRNA.

InterPro; IPR003599; Ig.

InterPro; IPR007110; Ig-like.

InterPro; IPR003599; Ig d.;

InterPro; IPR003596; Ig W.

R InterPro; IPR003596; Ig V.

R InterPro; IPR003596; Ig V.

R Pfam; PP07654; C.1-set; J.

R SWART; SM00409; IG; 2.

R SWART; SM00406; IG-LIKE; 4.

R PROSITE; PS00290; IG-LIKE; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 475;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           chain.
475 AA; 52362 MW; 1367D400DC7D2859 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             63.6%; Score 56; DB 2;
68.8%; Pred. No. 1.3;
tive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    479 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 ISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                70 İSYDGRNIQYADSVKG 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-MAY-2005 (TrEMBLrel. 30, 10-MAY-2005 (TrEMBLrel. 30, 10-MAY-2005 (TrEMBLrel. 30, 10-MAY-2005 (TrEMBLrel. 30,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 23
QSBK12 RAT
ID QSBK12_RAT PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and mouse cDNA sequences.
Proc. Natl. Acad. Sci. U.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19
475
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=10116;
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Gaps

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Indels

Length 544;

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05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hyporhetical protein DKFZp686H20196.
Name=DKFZp686H20196;
Name=DKFZp686H20196;
Homo sapiens (Human)
Eukaryota, Metazoa, Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A Wambutt R., Heubner D., Mawes H.W., Weil B., Amid C., Osanger A.,
Pobo G., Han M., Wiemann S.;
Pobo G., Han M., Wiemann S.;
Rubitted (Jan-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; BX640619; Caze45773.1; -; mRNA.
HSSP; P01861; 1ADQ.
InterPro; IPR003597; Ig.
InterPro; IPR00409; Ig.
InterPro; IPR00409; IG.
InterPro; IPR00409; IG.
InterPro; IPR040409; IRR040409; IG.
InterPro; IPR04040409; IG.
InterPro; IPR04040409; IG.
InterPro; IPR04040409; IG.
InterPro; IPR04040409; IRR040409; IRR04
R SMR; Q6P095; 20-473.
R InterPro; IPR003599; Ig.
R InterPro; IPR003100; Ig-like.
R InterPro; IPR003006; Ig_Cl.
R InterPro; IPR003006; Ig_MC.
R InterPro; IPR003596; Ig_W.
R InterPro; IPR003596; Ig_W.
R SMRAT; SM00409; IG; 2.
R SMRAT; SM00409; IG-21; 3.
R SMRAT; SM00406; IGV; 1.
R PROSITE; PS00290; IG_MC; UNKNOWN 2.
R PROSITE; PS00290; IG_MC; UNKNOWN 2.
SEQUENCE 544 AA; 60102 MW; 189581482297C668 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                63.6%; Score 56; DB 2;
64.7%; Pred. No. 1.5;
iive 2; Mismatches
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68.8%; Pred. No. 1.9;
iive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 VISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE-Esophagus tumor;
The German cDNA Consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97 HUMAN
QGN097 HUMAN PRELIMINARY;
Q6N097;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 ISFDGSNKYYVDSVKG
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Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11;
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P01771;
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TISSUB-Primary B-Cells.

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

Retausberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,

Riausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Raha S.S., Loquellano N.A., Peters G.J., Abramon R.D., Mullahy S.J.,

Boak S.A., McEwan P.J., McKernan K.J., Malk M. Gay L.J., Hulyk S.W.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Nilalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Rakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Rodriguez A.C., Grimwood J., Schmutz J., Marra M.A.;

"Generation and initial analysis of more than 15,000 full-length human
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                  SMR; QSBK12; 20-241.

SMR; QSBK12; 20-241.

GO; GO:0003823; F:antigen binding; IEA.

InterPro; IPR003599; Ig.

InterPro; IPR003599; Ig.

InterPro; IPR003599; Ig.

InterPro; IPR00366; Ig.MC.

InterPro; IPR00409; IG. 3.

R SMART; SM00409; IG; 3.

R SMART; SM00409; IG; 13.

R SMART; SM00409; IG, 13.

R PROSITE; PSS00290; IG_MHC; UNKNOWN 2.

R PROSITE; PSS00290; IG_MHC; UNKNOWN 2.

SEQUENCE 479 AA; 52329 MW; BB146164AEB437C5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        63.6%; Score 56; DB 2; Length 479; llarity 62.5%; Pred. No. 1.3; Conservative 3; Mismatches 3; Indels
                                 NIH MGC Project;
Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; BC091247; AAH91247.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
TISSUE-Primary B-Cells;
NIH MGC Project;
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; BCO19046; AAH19046.1; -; mRNA.
HSSP; P01861; 1ADQ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10 VTSGGSNTYYLDSVKG 85
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QEPJ95;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (Human)
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nes 10; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IGHG1 protein.
   rissum=Spleen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=IGHG1;
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1066795 HUM
10 05-JUU
DT 06-JUU
DT 0
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Indels

Length 481;

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A Milein S., Gerhard D.S.;

Kilein S., Gerhard S., Find C., Find S., Gerhard S.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A. Raha S.S., Loquallano M.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
A. Richards S., Worley D.M., Sodergren B.M., Gay L.J., Hulyk S.W.,
A. Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,
A. Whiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G.,
A. Rakealey R.W., Touchman J.W., Green E.D., Dickson M.C.,
A. Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M.I., Skalaka U., Smailus D.E.,
A. Schnerch A., Schein J.B., Jones S.J.M., Marra M.A.;
T. "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE-Escophagus tumor;
The German cDNA Consortium;
Eahr A., Lauber J., Mewes H.W., Weil B., Amid C., Osanger A., Fobo G.,
Han M., Wiemann S.;
Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; BX640947; CAE45972.1; -; mRNA.
HSSP; P01861; IADQ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hypothetical protein.
SEQUENCE 367 AA, 40058 MW, 66DE2E25CDF0CB34 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein DKFZp686G11190.
Name=DKFZp686G11190;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61.4%; Score 54; DB 2;
62.5%; Pred. No. 2.1;
iive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       475 AA
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PROSITE; PS00290; IG MHC; UNKNOWN_2.
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70 ISSDGGSTYYADSVRG 85
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Q6MZQ6;
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InterPro; IPR003599; Ig.
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                    DOT TO DO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein.
Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chiu Y.-Y.H., Lopez de Castro J.A., Poljak R.J.;
"Amino acid sequence of the VH region of human myeloma
cryoimmunoglobulin IgG Hil.";
Biochemistry 18:553-560(1979).
-I- MISCELLANEOUS: This chain was isolated from an IgGI myeloma

    -!- SIMILARITY: Contains 1 Ig-like (immunoglobulin-like) domain.

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PMART; SM0406; IGV: 1.

Direct protein sequencing; Immunoglobulin domain;
                                                      21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
1g heavy chain V-III region HIL.
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NCBI TaxID=8364;
                    21-JUL-1986 (Rel. 01, Created)
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QSM8X4;
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HSSP; P01772; 2FB4.
SMR; P01771; 2-121.
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TISSUE=Whole body;
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29UL72_HUMAN PRELIMINARY;
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P01772;
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Homo sapiens (Human).
Eukaryota; Metazoa, Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
CDNA FLJ90170 fis, clone MANWA1000370, highly similar to Ig alpha-1
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                                                                                                                                                                                                                                                                                                         Hypothetical protein. - SEQUENCE 475 AA; 52043 MW; B7EAE255A26F4B8E CRC64;
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PROSITE; PS00290; IG_MHC; UNKNOWN_2.
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PROSITE; PS50835; IG_LIKE; 4.
PROSITE; PS00290; IG_MHC; UNKNOWN_1.
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InterPro; IPR007110; Ig-like.
InterPro; IPR003597; Ig_c1.
InterPro; IPR003506; Ig_MHC.
InterPro; IPR003596; Ig_v.
Pfam; PF07654; C1-set; 3.
SMART; SM00407; IG21; 3.
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LIWYDGTKTYYSDSVKG 85
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                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 68.8
les 11; Conservative
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nes 10; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  QBNCL6;
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QBNCL6 HUM
10 OBNCL
DT 01-0C
DT 01-NC
DT 01-NC
DT 01-NC
DT 01-NC
DT 01-NC
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RESULT 30 Q9UL72_HUMAN

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  PubMed=155592;

Makiya R., Stigbrand T.;

Bur J. Biochem. 205:341-345(1992).

Bur. J. Biochem. 205:341-345(1992).

FMEL; AR035042; AAD56278.1; -; mRNA.

FMEL; AR035042; AL18.

SMR; Q9UL72; 1-118.

InterPro; IPR007110; Ig-like.

InterPro; IPR003596; Ig-v.

SMART; SM0406; IGV; 1...
                                                                                                                                                                                                                                                                                                                                            "Myosin-reactive autoantibodies in rheumatic carditis and normal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
                                                                                                                                                                                                                                                 NUCLECTIDE SEQUENCE.
MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE-81072295; PubMed-7441755;
Marquart M., Deisenhofer J., Huber R., Palm W.;
"Crystallographic refinement and atomic models of the intact
01-MAY-2000 (TrEMBLrel. 13, Created)
U-MAY-2000 (TrEMBLrel. 13, Latt sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 118;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     118 AA; 12872 MW; B4D1A5944B2D5CCA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60.2%; Score 53; DB 2; 50.0%; Pred. No. 0.84;
                                                                                                                                                                                                                                                                                                                                                                   fetus.";
Clin. Immunol. Immunopathol. 87:184-192(1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
IIG heavy chain V-III region KOL.
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           126 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 ISFDGSNKYYVDSVKG 17
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Query Match
Best Local Similarity 50.00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    118
                                                                                                          Homo sapiens (Human)
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TISCE-Small intestine;
Kanehori K., Ishibashi T., Chiba Y., Fujimori K., Hiraoka S.,
Tanai H., Watanabe S., Ishidashi T., Kanehori K., Hatanabe M.,
Sugiyama T., Itia R., Otsuki T., Sato H., Wakamatsu A., Ishii S.,
Yamamoto J., Isono Y., Kawai-Hio Y., Saito K., Nishikawa T.,
Kimura K., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda K.,
Wagatsuma M., Takahashi-Puji A., Oshima A., Sugiyama A., Kawakami B.,
Suzuki Y., Sugano S., Nagahari K., Masuho Y., Nagai K., Isogai T.;
Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AKL23975; BACGS740.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota, Metazoa; Chordata; Craniata; Vertebrata, Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muridae; Sigmodontinae; Sigmodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60.2%; Score 53; DB 2; Length 487; 62.5%; Pred. No. 4.2; ive 3; Mismatches 3; Indels
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Pfau R.S., Van Den Bussche R.A., McBee K.;
Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
BBL; AF279854; AAG27604.1; -; Genomic_DNA.
GO; GO:0016050; C:membrane; IEA.
GO; GO:0016055; P:immune response; IEA.
InterPro; IPR001003; MHC II_alpha_N.
Pfam:_PF00993; MHC_II_alpha; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PS50835; IG LIKE; 4.
PROSITE; PS00290; IG_MHC; UNKNOWN 2.
SEOUENCE 487 AA; 52874 MW; B354ED882398BF1A CRC64;
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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-UUN-2003 (TrEMBLrel. 24, Last annotation update)
MHC class II antigen (Fragment).
Name=Sihi-DQA;
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Interpro; IPR003110; Ig-like.
Interpro; IPR003100; Ig_C1.
Interpro; IPR003006; Ig_MHC.
Interpro; IPR003596; Ig_V.
Pfam; PF07654; Cl-Bet; Z.
SMART; SM00407; IGC1; 3.
SMART; SM00407; IGC1; 3.
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70 INKDGRDSYYVESVKG 85
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 62.5
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Best Local Similarity
9, Conserve
                                                                                                      NUCLEOTIDE SEQUENCE
                                    NCBI_TaxID=9606;
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Q9GJD3_SIC
DAT DDT THE PROPERTY OF THE PR
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                                                                                                                                                                This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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QGZVXO TO TO THE T
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immunoglobulin molecule Kol and its antigen-binding fragment at 3.0
                                                                                                                                                                                                                                                                                                                                                                         PIR; A02055; G1HUKL.

R PDB; 2F84; X-ray; H=2-126.

R GO; G0:0005576; C:extracellular region; NAS.

GO; G0:0003823; F:antigen binding; NAS.

R GO; G0:0003823; F:antigen binding; NAS.

R GO; G0:0005955; P:immune response; NAS.

R InterPro; IPR007110; Ig-1ike.

R InterPro; IPR003596; Ig-V.

R SMART; SM00406; IGV; 1.

R PROSITE; PS50835; IG_LIKE; 1.

R PROSITE; PS50835; IG_LIKE; 1.

R JP-structure; Direct protein sequencing; Immunoglobulin domain; Immunoglobulin V region; Pyrrolidone carboxylic acid.
                             and 1.0-A resolution.";
J. Mol. Biol. 141:369-391(1980).
-! SIMILARITY: Contains 1 Ig-like (immunoglobulin-like) domain.
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50 IIWDDGSDQHYADSVKG 66
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120
126 AA;
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0662Y60 HUM
0662Y70 HUM
0762YY
AC 0662YX
AC 065-JU
DT 05-JU
DT 05-JU
DE HYPOT
OS HOMO
OC EURAR
RAHAMANA MARAHAMANA MA
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Query Match
Best Local Similarity
Local 9; Conserve
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SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                     SIGHI
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NUCLEOTIDE SEQUENCE.

NUCLEOTIDE SEQUENCE.

NUCLEOTIDE SEQUENCE.

NEDLINE=99367398; PubMed=10436183; DOI=10.1007/8002510050569;

A Pfau R.S., Van Den Bussetche R.A., McBee K., Lochmiller R.L.;

RI "Allelic diversity at the Mhc-DQA locus in cotton rats (Sigmedon RT (Mammallar Rodentia).";

RI (Mammallar Rodentia).";

RL EMBL; AF155924; AAD39254.1; -; Genomic_DNA.

DR GO; GO:0016020; C: C:membrane; IEA.

DR GO; GO:0016020; C: C:membrane; IEA.

DR HELPO; IPR01003; MHC_II_alpha_N.

PFam; PF00993; MHC_II_alpha_i.

NON MTD.
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                                                                                                                                                                                                                                                                                                                           Name-Sihi-DQA;
Sigmodon hispidus (Hispid cotton rat).
Sigmodon hispidus (Hispid cotton rat).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muridae; Sigmodontinae; Sigmodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
MEDLINE=99367398; PubMed=10436183; DOI=10.1007/s002510050569;
Pfau R.S., Van Den Bussche R.A., McBee K., Lochmiller R.L.;
"Allelic diversity at the Mhc-DQA locus in cotton rats (Sigmodon hispidus) and a comparison of DQA sequences within the family muridae (Mammalia: Rodentia).";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sigmodon hispidus (Hispid cotton rat).

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;

Muridae; Sigmodontinae; Sigmodon.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   59.1%; Score 52; DB 2; Length 71; 56.2%; Pred. No. 0.7; ive 2; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     71 AA; 8162 MW; F185304D7752180E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           71 AA; 8177 MW; ED18CCE4C4BF8B1D CRC64;
                                                                                                                                                                                              01-NOV-1999 (TrEMBLrel. 12, Created)
01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
MHC class II antigen (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-NOV-1999 (TrEMBLrel. 12, Created)
01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-UNV-2003 (TrEMBLrel. 24, Last annotation update)
MHC class II antigen (Fragment).
                                                                                                                                       71 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            71 AA.
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EMBL; AF155922; AAD39252.1; -; Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO; GO:0016020; C:membrane; IEA.
GO; GO:0006955; P:immune response; IEA.
InterPro; IPR001003; MHC II alpha N.
Pfam; PF00993; MHC II alpha; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                           PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 VISFDGSNKYYVDSVK 16
                                                              R3_SIGHI
Q9XRR3_SIGHI PRELIMINARY;
Q9XRR3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q9XRRS SIGHI PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 56.2
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SMR; Q9XRR5; 1-71.
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NON TER
SEQUENCE
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09XRE SIG
109XRE SIG
09XRR SIG
00 1-NO
00 10 -NO
00 10 -NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muridae; Sigmodontinae; Sigmodon.
                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tetracdon nigroviridis (Green puffer).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleosteni;

Actinopterygii; Neopterygii; Teleosteni; Buteleosteni;

Acanthomorpha; Acanthopterygii; Percomorpha; Tetracdontiformes;

Tetracdontoidea; Tetracdontidae; Tetracdon.
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      Length 71;
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                                                                Indels
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome 21 SCAF14785, whole genome shotgun sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      71 AA; 8193 MW; ED18CCF1D1AD01AD CRC64;
                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-1999 (TrEMBLrel. 12, Created)
01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
MHC class II antigen (Fragment).
      DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             59.1%; Score 52; DB 2; 56.2%; Pred. No. 0.7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hispidus) and comparations (Mammalia: Rodentia)...;
[Mammalia: Rodentia]...;
Immunogenetics 49:886-893(1999).

EMBL; AF155918; AAD39248.1; -; Genomic_DNA.
GO; GO:0016020; C:membrane; IEA.
GO; GO:006955; P:immune response; IEA.
InterPro; IPR001003; MHC_II_alpha_N.
Pfam; PF00993; MHC_II_alpha_N.
59.1%; Score 52; DB 2
56.2%; Pred. No. 0.7;
iive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Name=Sihi-DQA;
Sigmodon hispidus (Hispid cotton rat).
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15 IFEFDGDEKFYVDSDK 30
                                                                                                                    1 VISFDGSNKYYVDSVK 16
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Q45056 TETNG

Q45056 TETNG

Q45056

DT 13-SEP-2005 (TEEMBLrel. 31,

DT 13-SEP-2005 (TEEMBLrel. 31,

DE (hromosome 21 SCAP14785, who

E (Fragment)

GNRNames-GSTENGO0026180001;

GNRNames-GSTENGO0026180001;

GNRNames-GSTENGO0026180001;

GNRNames-GSTENGO0026180001;

GNRNames-GSTENGO0026180001;

GNRNames-GSTENGO0026180001;

GNRNames-GSTENGO0026180001;

GNRNAMES-GNRNAMERACA;

NCBI_TAXID=9983;

RN (1)

RP JUILOO ANTY J.M., Brune

RA MALCEOTIDE SEQUENCE.

NGLEOTIDE SEQUENCE.

ANTOLEOTIDE SEQUENCE.

RA MANCALI E., BOUNEAU L., Fisher

RA MANCALI E., Salanoubat M., LAR

Anthouard V., Jubin C., Castco
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ORFNames=GSTENG00026180001;
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Best Local Similarity 50...
9, Conservative
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Q9xrr9;
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                                                             Conservative
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NUCLEOTIDE SEQUENCE.
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Gaps

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarnhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TISSUE=Esophagus tumor;
The German cDNA Consortium;
Bloecker H., Boecher M., Brandt P., Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases.
Brab.; BK40822; CAE45898.1; -; mRNA.
HSSP; P01842; 1AQK.
   histocompatibility complex class I molecules (By similarity) SUBCELLULAR LOCATION: Secreted (By similarity).
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                                                                                                                                                                                                                                                               59.1%; Score 52; DB 2; Length 467; 62.5%; Pred. No. 5.9; 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 52; DB 2; Length 483;
Pred. No. 6.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                Immunoglobulin domain; Repeat.
SEQUENCE 467 AA; 51651 MW; 1FF0328F50160ED3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       52235 MW; 4B5F467D5B708DB8 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein DKFZp686M08189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5
                                                                                                                                                                                                                                                                                                                                                                                                                                                            483 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; Mismatches
                   -1. SUBCELLULAR LOCATION: Secreted (By BMBL, BC095846, AAH99846.1; -; mRNA. InterPro; IPR003599; Ig. InterPro; IPR007110; Ig-11ke. InterPro; IPR003597; Ig-c1. InterPro; IPR003597; Ig-v. Pfam; PF07654; C1-8et; 3. SWART; SW00407; IG21; 2. SWART; SW00407; IGC1; 2. SWART; SW00406; IGV; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROSITE; PS50835; IG_LIKE; 4.
PROSITE; PS00290; IG_MHC; UNKNOWN_2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
InterPro; IPR003597; Ig.c1.
InterPro; IPR003006; Ig.MHC.
InterPro; IPR003596; Ig.v.
Pfam; PP07654; Cl-set; Z.
                                                                                                                                                                                                PROSITE; PS50835; IG_LIKE; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         59.1%;
62.5%;
                                                                                                                                                                                                                                                                                                                                       2 ISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |: |||::||| ||:|
70 INEDGSDEYYVGSVEG 85
                                                                                                                                                                                                                                                                                                                                                           70 INTDGGSTYYPDSVKG 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 ISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
Best Local Similarity 62.5%
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                         QEMZX9_HUMAN PRELIMINARY;
                                                                                                                                                                                                                                                                                   Best Local Similarity 62.5
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SMART; SM00409; IG; 4.
SMART; SM00407; IGc1; 3.
SMART; SM00406; IGv; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hypothetical
SEQUENCE 41
                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 39
Q6MZX9_HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 40
Q6INMS_XENLA
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MEDINES 218825; PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDINES 218825; PubMed=12477932; DOI=10.1073/pnas.242603899;

MALS TRUBER R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buecow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haieh F.,

Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haieh F.,

A platchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Ugdin T.B., Toehiyuki S., Carninol P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Rosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunarathe P.H.,

Nillalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Makealey R.W., Touchman J.W., Green E.D., Dickson M.C.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                           ö
Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,
Kellis M., Volff JN., Guigo R., Zody M.C., Measirov J.,
Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,
Wincker P., Lander E. S., Weissenbach J., Roest Crollius H.;
"Genome duplication in the teleost fish Tetraodon nigroviridis reveals
the early vertebrate proto-karyotype.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                  CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                           ö

    -I- FUNCTION: Beta-2-microglobulin is the beta-chain of major

                                                                                                                                                                              NUCLEOTIDE SEQUENCE. Genoscope, Whitehead Institute Centre for Genome Research, Submitted (FEB-2004) to the EMBL/Genbank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                       Score 52; DB 2; Length 111; Pred. No. 1.2;
                                                                                                                                                                                                                                                                                                                                                                                          2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE=Thymus;
NIH MGC Project;
Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                       111 111
111 AA; 12077 MW; 793E852E8B1216B3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                            467 AA
                                                                                                                                                                                                                                                                                                                                                                                          5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
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                                                                                                                                                                                                                                                                                                                                                         59.1%;
                                                                                                                                                                                                                                                                                                                                                                         53.3%;
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13-SEP-2005 (TrEMBLrel. 31,
13-SEP-2005 (TrEMBLrel. 31,
                                                                                                                                                                                                                                                                                                                                                                                                                            2 ISFDGSNKYYVDSVK 16
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67 VTFIGSNSFYIDTVK 81
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nes 8; Conservative
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Q4VBH1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rattus norvegicus (Rat).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOC299354 protein.
Name=LOC299354;
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SEQUENCE
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Q4VBH1_RAT
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Gaps

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GO; GO: 0030106; F.MHC class I receptor activity; IEA.

R GO; GO: 00109883; P: antigen presentation, endogenous antigen; IEA.

R GO; GO: 00109883; P: antigen processing, endogenous antigen via . . ; IEA.

INTERPO; IRR003101; Ig-like.

R InterPro; IRR003106; Ig-like.

R SMART; SM00407; IGC1; 4.

R SMART; SM00406; IGC1; 4.

R SMART; SM00406; IG-like.

R ROSITE; PS00678; WD-REPEATS 1, UNRNOWN 1.

R ROSITE; PS00678; WD-REPEATS 1, UNRNOWN 1.

R ROSITE; PS00678; WD-REPEATS 1, UNRNOWN 1.
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Altacher R.D., Colling F.S., Wagner L., Shemmen C.M., Schuler G.D.,

Altachul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altachul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Appkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Appleren M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Uddin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Raha S.S., Worley N.C., Male S., Garcia A.M., Gay L.J., Hulyk S.W.,

Rahas S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G.,

Raterield Y.S.N., Touchman J.W., Green E.D., Dickson M.C.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

"Generation and initial analysis of more than 15,000 full-length human

"Tong Mouse CDNA sequences."
                                                                                                                  Xenopus laevis (African clawed frog).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae; Xenopus; Xenopus; Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TISSUE-Spleen;
BEDLINE-22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Genetic and genomic tools for Xenopus research: The NIH Xenopus initiative.";
Dev. Dyn. 225:384-391(2002).
                                                                                                                                                                                                                                                                                                                      MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    59.1%; Score 52; DB 2; Length 593; ilarity 62.5%; Pred. No. 7.7; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=Spleen;
Klein S., Strausberg R.;
Submitted (UNN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC072253; AAH72253.1; -; mRNA.
HSSP; P01842; IAQK.
                                       05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
MGC69066 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
    593 AA.
    PRT;
QGINMS_XENLA PRELIMINARY;
QGINMS;
05-JUL-2004 (TrEMBLrel. 2'
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Best Local Similarity
Matches 10; Conserv
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Gaps

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2 ISFDGSNKYYVDSVKG 17
                  68 INPDGGSTYYADSVKG 83
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Search completed: December 14, 2005, 07:30:43 Job time : 93.7414 secs

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1 VISFDGSNKYYVDSVKG 17
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88.2%;
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                  Query Match 92.0%;
Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Residues: 1-118 < RAA>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ig heavy chain - human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Status: preliminary
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S31116
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S46392
Ig heavy chain V region (VH-28) - human
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Accession: S46392
R;Figini, M.; Marks, J.D.; Winter, G.; Griffiths, A.D.
C;Accession: S46392
R;Figini, M.; Marks, J.D.; Winter, G.; Griffiths, A.D.
J. Mol. Biol. 239, 68-78, 1994
A;Title: In vitro assembly of repertoires of antibody chains on the surface of phage by A;Reference number: S46390; MUID:94254092; PMID:8196048
A;Recession: S46392
A;Residues: preliminary
A;Molecule type: DNA
A;Residues: 1-114 <FIG>A;Cross-references: UNIPARC:UPIO0001137D6; EMBL:Z31688; NID:g499306; PIDN:CAA83493.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keyword8: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A,Molecule type: mRNA
A,Residues: 1-117 <GR1>
A,Cross-references: UNIPARC:UPI0000118DE6; EMBL:Z18839; NID:g33118; PIDN:CAA79291.1; PID
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ig heavy chain V region (clone alpha-TNF-E1) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: 1362-1994 #sequence_revision 03-Feb-1994 #text_change 23-Jul-1999
C;Accession: 8362-0
R;Griffiths, A.D.; Malmqvist, M.; Marks, J.D.; Bye, J.M.; Embleton, M.J.; McCafferty, J.EMBO J. 12, 725-734, 1993
A;Title: Human anti-self antibodies with high specificity from phage display libraries.
A;Reference number: 836256; MUID:93178448; PMID:7679990
A;Accession: 836270
A;Status: preliminary; nucleic acid sequence not shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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531677
(19 heavy chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999
C;Accession: S31677
C;Accession: M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.
eubmitted to the EMBL Data Library, June 1992
                                                   Gaps
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       Length 114;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                92.0%; Score 81; DB 2; I
ilarity 88.2%; Pred. No. 8.8e-06;
Conservative 1; Mismatches 1;
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88.2%; Pred. No. 9.1e-06;
iive 1; Mismatches 1;
92.0%; Score 81; DB 2; I
88.2%; Pred. No. 8.8e-06;
iive 1; Mismatches 1;
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                                                                                                    1 VISFDGSNKYYVDSVKG 17
                                                                                                                           50 VISYDGSNKYYADSVKG 66
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Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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les 15; Conserv
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es 15; Conserv
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A; Description: Mechanisms that generate human immunoglobulin diversity operate from the f
A, Reference number: 831585
A, Accession: 831677
A, Status: preliminary
A; Molecule type: mRNA
A, Residues: 1-118 < CUI>
A, Cross-references: UNIPARC: UPI0000116459; EMBL: Z14172; NID: g31009; PIDN: CAA78541.1; PID
G, Superfamily: immunoglobulin V region; immunoglobulin homology
C; Keywords: heterotetramer; immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C; Accession: S31116
R; Asaphorer, F. M.; Timmers, E.; Kenter, M.J.H.; van Tol, M.J.D.; Vossen, J.M.; Schuurman, Bur. J. Immunol. 22, 247-251, 1992
A; Title: Restricted utilization of germ-line V(H)3 genes and short diverse third compleme A; Reference number: S31104; MUID:92111633; PMID:1730252
A; Accession: S31116
A; Accession: S31116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A, Cross-references: UNIPROT: QBWUKI; UNIPARC: UPI0000176E37; EMBL: X62966
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1991
C;Superfamily: immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology < IYM>
                                                                                                                                                                                                                                                                                                                                    ö
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C;Date: 02-Dec-1993 #sequence_revision 26-May-1995 #text_change 31-Dec-2004
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A;Residues: 1-119 <SCH>
A;Cross-references: UNIPROT:Q8WUK1; UNIPARC:UPI0000176C32; GB:M34026
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                                                                                                                                                                                                                                                                               Score 81, DB 2; Length 118;
Pred. No. 9.1e-06;
1; Mismatches 1; Indels
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Pred, No. 9.1e-06;
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Pred. No. 9.2e-06;
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A;Cross-references: GDB:118731; OMIM:146910
A;Map position: 14q32.33-14q32.33
C;Superfamily: immunoglobulin homology
C;Keywords: heteroteframer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
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C; Accession: PH1645
R; Hilliann, U., Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.
U. Exp. Med. 178, 331-336, 1993
A; Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphylocal A; Reference number: PH1642; MUID:93301610; PMID:8315388
A; Moccession: PH1645
A; Moccule type: mRNA
A; Residues: 1-111 < HIL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Accession: S38490
R;Marks, J.D.; Ouwehand, W.H.; Bye, J.M.; Finnern, R.; Gorick, B.D.; Voak, D.; Thorpe, S submitted to the EMBL Data Library, June 1993
A;Description: Human antibody fragments specific for human blood group antigens from a pl A;Reference number: S38488
A;Accession: S38490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Cross-references: UNIPARC:UP10000116549; EMBL:Z23030; NID:g414027; PIDN:CAA80565.1; PII
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
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C;Species: Homo sapiens (man)
C;Date: 27-Jan-1995 #sequence_revision 27-Jan-1995 #text_change 20-Jun-2000
C;Accession: S46390
R;Figini, M.; Marks, J.D.; Winter, G.; Griffiths, A.D.
J. Mol. Biol. 239, 68-78, 1994
A;Title: In vitro assembly of repertoires of antibody chains on the surface
A;Reference number: S46390; MUID:94254092; PMID:8196048
                                   Ig heavy chain V region (clone 6C8) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 31-Dec-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
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C;Superfamily: immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-90/Domain: immunoglobulin homology <1MM>
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Pred. No. 8.7e-06;
1; Mismatches 1;
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88.2%;
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88.2%;
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S38490
Ig heavy chain - human (fragment)
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Best Local Similarity
Matches 15; Conserv
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Best Local Similarity
Matches 15; Conserv
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Ig heavy chain V region (clone 5D11) - human (fragment)

C;Species: Homo appiens (man)

C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 31-Dec-2004

C;Accession: PHI644

R;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.

A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphylc

A;Reference number: PHI642; MUID:93301610; PMID:8315388
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C;Species: Homo sapiens (man)
C;Species: 4-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 31-Dec-2004
C;Accession: PH1643
K;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.
J. Exp. Med. 178, 331-336, 1993
A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphylc A;Reference number: PH1642; MUID:93301610; PMID:8315388
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                                                                                                                                                                                                                                                                   Length 109;
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A;Reference number: PH1642; MUID:93301610; PMID:8315388
A;Accession: PH1646
A;Molecule type: ML54
A;Residues: 1-109 <HIL>
A;Cross-references: UNIPROT:QBWUK1; UNIPARC:UP10000176B7C
C;Superfamily: immunoglobulin homology
C;Keywords: heteroctetramer; immunoglobulin
F;7-90/Domain: immunoglobulin homology <IMM>
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A; Residues: 1-109 <HIL>
A; Residues: 1-109 <HIL>
Cross-references: UNIPROT: Q9UL93; UNIPARC: UPI0000176B7A
C; Superfamily: immunoglobulin homology
C; Keywords: heteroctetramer; immunoglobulin
F; 7-90/Domain: immunoglobulin homology <IMM>
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(S.Superfamily: immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-90/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                Query Match 92.0%; Score 81; DB 2; I Best Local Similarity 88.2%; Pred. No. 8.4e-06; Matches 15; Conservative 1; Mismatches 1
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A, Residues: 1-111 <HIL>
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Best Local (
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C;Species: Homo sapiens (man)
C;Date: 02-Dec-1993 #sequence_revision 26-May-1995 #text_change 31-Dec-2004
C;Date: 02-Dec-1993 #sequence_revision 26-May-1995 #text_change 31-Dec-2004
S;Accession: S31119
R;Raphorst, F.M.; Timmers, E.; Kenter, M.J.H.; van Tol, M.J.D.; Vossen, J.M.; Schuurman Eur. J. Immunol. 22, 247-251, 1992
A;Title: Restricted utilization of germ-line V(H) 3 genes and short diverse third complem: A;Reference number: S31104; MUID:92111633; PMID:1730252
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A;Cross-references: UNIPROT:QBWUK1; UNIPARC:UPI0000176C8F; EMBL:X62970
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1991
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C.Date: 21-Dec-1990 #sequence_revision 21-Dec-1990 #text_change 16-Dec-1998
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88.2%; Pred. No. 9.5e-06;
tive 1; Mismatches 1;
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A;Cross-references: UNIPARC:UP10000176C30; GB:M34030
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88.2%; Pred. No. 9.4e
:ive 1; Mismatches
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A;Cross-references: GDB.118731; OMIM:146910
A;Map position: 14q32.33-14q32.33
C;Superfamily: immunoglobulin homology
C;Keywords: heterotetzamer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
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C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
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nes 15; Conservative
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Matches 15, Conservative
                                                                                                  A; Molecule type: mRNA
A; Residues: 1-121 <SCH>
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           A; Accession:
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19 heavy chain - human
C;Species: Homo sapies (man)
C;Apecies: Homo sapies (man)
C;Accession: Silli2
C;Accession: Silli2
R;Raaphorst, F.M.; Timmers E.; Kenter, M.J.H.; van Tol, M.J.D.; Vossen, J.M.; Schuurman B.;Title: Restricted utilization of germ-line V(H)3 genes and short diverse third complem A;Title: Restricted utilization of germ-line V(H)3 genes and short diverse third complem A;Reference number: Silli2
A;Accession: Silli2
A;Accession: Silli2
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
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G36005
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A;Cross-references: UNIPARC:UPI0000176C8C; EMBL:X62961
A;Cross-references: UNIPARC:UPI0000176C8C; EMBL:X62961
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1991
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
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     1; Indels
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                                                                                                        1 VISFDGSNKYYVDSVKG
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15; Conservative
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A, Molecule type: mRNA
A, Residues: 1-121 < MAR>
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R;Cuisinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C. submitted to the EMBL Data Library, June 1992
A;Description: Mechanisms that generate human immunoglobulin diversity operate from the ? A;Reference number: S31585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Accession: S31679
R;Culainier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.
R;Culainier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.
A;Description: Mechanisms that generate human immunoglobulin diversity operate from the E/R A;Reference number: S31585
A;Recession: S31679
A;Status: preliminary
A;Molecule rype: mRNA
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R;Cuisinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.

Bubmitted to the EMBL Data Library, June 1992

A;Description: Mechanisms that generate human immunoglobulin diversity operate from the flantenence number: $31585

A;Reference number: $31585

A;Recession: $31674

A;Status: preliminary

A;Status: preliminary

A;Residues: 1-139 <CUI>
                                                                                                                           A/Accession: S31603
A/Status: preliminary
A/Status: preliminary
A/Rolecule type: mRNA
A/Cross-references: UNIPARC:UP10000116455; EMBL:Z14168; NID:g30999; PIDN:CAA78537.1; PID
C/Superfamily: immunoglobulin V region; immunoglobulin homology
C/Keywords: heterotetramer; immunoglobulin
F;30-113/Domain: immunoglobulin homology <IMM>
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C;Species: Homo sapiens (man)
C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ig heavy chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999
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88.2%; Pred. No. 1.1e-05;
iive 1; Mismatches 1; Indels
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88.2%; Pred. No. 1e-05;
ive 1; Mismatches
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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                  Ig heavy chain - human (fragment)
C;Species: Homo sapiens (man)
C;Accession: 538493
R;Marks, J.D.; Ouwehand, W.H.; Bye, J.M.; Finnern, R.; Gorick, B.D.; Voak, D.; Thorpe, Submitted to the EMBL Data Library, June 1993
R;Marks, J.D.; Ouwehand, W.H.; Bye, J.M.; Finnern, R.; Gorick, B.D.; Voak, D.; Thorpe, Submitted to the EMBL Data Library, June 1993
A;Reference number: 538488
A;Accession: 538493
A;Accession: 538493
A;Accession: 538493
A;Residues: 1-123 <AAR>
A;Residues: 1-123 <AAR>
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Superfamily: immunoglobulin homology <IMM>
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A;Title: Early human IgH gene assembly in Epstein-Barr virus-transformed fetal B
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S31603
Ig heavy chain V region - human
C;Species: Homo sapiens (man)
C;Date: 03-Mar.1994 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999
C;Accession: S31603
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C;Superfamily: immunoglobulin homology
C;Keywords: heteroterramer; immunoglobulin
F:17-120/Froduct: Ig heavy chain V-III region FL2-2 #status predicted <MAT>
F:32-115/Domain: immunoglobulin homology <IMM>
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C;Species: Homo sapiens (man)
C;Date: 07-Jun-1990 #sequence_revision 07-Jun-1990 #text_change 31-Dec-2004
C;Accession, FL098
R;Nickerson, K.G.; Berman, J.; Glickman, E.; Chess, L.; Alt, F.W.
J. Exp. Med. 169, 1391-1403, 1989
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                                            92.0%; Score 81; DB 2; Length 122; 88.2%; Pred. No. 9.5e-06; ive 1; Mismatches 1; Indels
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88.2%; Pred. No. 1e-05;
iive 1; Mismatches 1; Indels
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A; Molecule type: DNA
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GenCore version GenCore version (c) 1993 - 2005 search, using sw model mber 14, 2005, 07:17:28	S-10-720-323-2 WISFDGSNKYYVDSVKG 17 LOSUM62 apop 10.0 , Gapext 0.5	4 D C C 1	Prot_05.80:* uniprot_sprot:* uniprot_trembl:* he number of results predi than or equal to the score by analysis of the total	SUMMARIES 116 2 Q9UL93 HUMAN 240 2 Q6SZC2 HUMAN 131 2 Q9UL90 HUMAN 132 2 Q9UL90 HUMAN 132 2 Q9UL96 HUMAN 132 2 Q9ULB6 HUMAN 133 2 Q9ULB6 HUMAN 134 2 Q6D134 HUMAN 147 2 Q6D134 HUMAN 147 2 Q6D144 HUMAN 147 2 Q6D144 HUMAN 147 2 Q6D141 HUMAN 147 2 Q6D141 HUMAN 148 2 Q6D141 HUMAN 149 1 Q6D17 HUMAN 119 1 HV31 HUMAN 119 1 HV31 HUMAN 119 1 HV31 HUMAN 119 1 HV31 HUMAN 110 1 Q9UL71 HUMAN 121 2 Q5ERES HUMAN 121 2 Q5ERES GAB 121 1 HV31 HUMAN 121 2 Q5MX3 RAT 131 1 HV3 HUMAN
Coj OM protein - protein Run on: Dece	Title: Perfect score: 8 Sequence: 1 Scoring table: 6 G Searched: 2	Total number of h Minimum DB seq le Maximum DB seq le Post-processing:	Database : Uni 1: 2: 2: Pred. No. is t score greater and is derived)

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Homo sapiens (Human).
[1]
NUCLEOTIDE SEQUENCE.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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MEDILINE-93301610; PubMed-8315388; DOI=10.1084/jem.178.1.331;
MH118on J.L., Karr N.S., Oppliger I.R., Mannik M., Sasso E.H.;
"The structural basis of germline-encoded VH3 immunoglobulin binding
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Bird J., Galili N., Link M., Stites D., Sklar J.;
Bird J., Galili N., Link M., Stites D., Sklar J.;
Bird J., Galili N., Link M., Stites D., Sklar J.;
"Continuing rearrangement but absence of somatic hypermutation in manunoglobulin genes of human B cell precursor leukemia.";
J. Exp. Med. 168:229-245 (1988).
BMBL; AF035021; AAD56257.1; -; mRNA.
PIR; PL0120; PL0120.
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MEDLINE-98277139; PubMed-9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
                                                                                                     01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-MAX-2004 (TrEMBLrel. 26, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
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Last annotation update)
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                                                                116 AA.
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J. Exp. Med. 178:331-336(1993)
[3]
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InterPro; IPR003596; Ig_v.
SWART; SW00406; IGv; 1.
PR0SITE; PS50835; IG_LIKE; 1.
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01-MAY-2000 (TrEMBLrel. 13,
01-MAR-2004 (TrEMBLrel. 26,
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                                                       QUL93 HUMAN PRELIMINARY;
Q9UL93;
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Q652C9;
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SMR; Q9UL93; 1-116.
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TISSUE-Primary B-Cells,

XX MIDINE-228825; PubMed-12477932; DOI=10.1073/pnas.242603899;

XI TISSUE-Primary B-Cells,

XI Altasper R.L., Felingold E.A., Grouse L.H., Derge J.G.,

XI Altasper R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,

XI Altachul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K.,

A placchenko L., Marusina K., Farmer A.A., Rubin G.M., Heiseh F.,

XI Stapleton M., Soares M.B., Donaldo M.F., Casavant T.L., Scheetz T.E.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Raha S.S., Morley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.M.,

XI Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.M.,

XI Halon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Nhiting M., Madan A., Young A.C., Shevchenko Y., Boulfard G.G.,

Nhiting M., Madan A., Young A.C., Schwutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield N., Schein J.E., Jones S.J.M., Marra M.A.,

Rederation and initial analysis of more than 15,000 full-length human
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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STRAIN=CIG/7;

K MEDILNE=97362799; PubMed=9219263; DOI=10.1038/nbt0797-629;

KONTOERMENN R.E., Wing M.G., Winter G.;

Complement recruitment using bispecific diabodies.";

L Nat. Biotechnol. 15:629-631(1997).

R EMBL; V13056; CAA73499.1; -; mRNA.

R InterPro; IPR003599; Ig.

R InterPro; IPR003596; Ig.

R SMART; SM00406; IG.2.

R SMART; SM00406; IG.2.

R PROSTIE; PSS0815; IG_LIKE; 2.
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Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 240 AA; 25569 MW; FDCFD3645F64B373 CRC64;
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01-WAR-2002 (TrEMBLrel. 20, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
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TISSUE=Primary B-Cells;
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HV3G_HUMAN
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Nickerson K.G., Berman J., Glickman E., Chess L., Alt F.W.;
Nickerson IgH gene assembly in Epstein-Barr virus-transformed fetal B cell lines Preferential utilization of the most JH-proximal D segment (DG22) and two unusual VH-related rearrangements.";
                                                                                                                                                                                                                                                                                                       Neale G.A., Kitchingman G.R.;
"mRNA transcripts initiating within the human immunoglobulin mu heavy
chain enhancer region contain a non-translatable exon and are
extremely heterogeneous at the 5' end.";
Nucleic Acids Res. 19:2427-2433(1991).
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MEDLINE=93301610; PubMed=8315388; DOI=10.1084/jem.178.1.331;
Hillson J.L., Karr N.S., Oppliger I.R., Mannik M., Sasso E.H.;
"The structural basis of germline-encoded VH3 immunoglobulin binding
                                                                                                                                                                      PubMed=1730252;
Raaphorst F.M., Timmers E., Kenter M.J., Van Tol M.J., Vossen J.M.,
Schuurman R.K.;
Schroeder H.W. Jr, Wang J.Y.;
"Preferential utilization of conserved immunoglobulin heavy chain variable genees esgments during human fetal life.";
Proc. Natl. Acad. Sci. U.S., B 87:6146-6150(1990).
                                                                                                                                                                                                                                                                                                                                                                                                 PubMed=2840480; DOI=10.1084/jem.168.1.229;
Bird J., Galili N., Link M., Stites D., Sklar J.;
Continuing rearrangement but absence of somatic hypermutation in immunoglobulin genes of human B cell precursor leukemia.";
J. Exp. Med. 168:229-245(1988).
                                                                           PubMed=1383695; DOI=10.1016/0161-5890(92)90173-U; Cuisinier A.M., Fumoux F., Fougereau M., Tonnelle C.; "IGM kapped/lambda EBY human B cell clone: an early step of differentiation of fetal B cells or a distinct B lineage?"; Mol. Immunol. 29:1363-1373(1992).
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InterPro; IPR007110; Ig-like.
InterPro; IPR003597; Ig_c1.
InterPro; IPR003596; Ig_WiC.
InterPro; IPR003596; Ig_v.
Pfam, PP0754; Cl-set; 4.
SWART; SW00406; IGv. 1.
PROSITE; PS50835; IG_LIKE; 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to staphylococal protein 3.";
J. Exp. Med. 178:331-336(1993).
EMBL; BC0202040; AAH20240.1; -; mRNA.
PIR; F36005; F36005.
PIR; F16005; G36005.
PIR; PH1642; PH1642.
PIR; PH1643; PH1643.
PIR; PH1645; PH1645.
PIR; PH1645; PH646.
PIR; PH1646; PH1646.
PIR; PH1646; PH1646.
PIR; S13119; S131116.
PIR; S13116; S13116.
PIR; S13119; S31116.
PIR; S70442.
PIR; S70442.
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Restricted utilization of germ-line VH3 genes and short diverse third complementarity-determining regions (CDR3) in human fetal B lymphocyte immunogalboulin heavy chain rearrangements.";

Bur. J. Immunol. 22: 474-25! (1992).

EMBL; AF035024; AAD56260.1; -; mRNA.

EMBL; AF035024; AAD56260.1; -; mRNA.

EMBL; AF035024; AAD56260.1; -; mRNA.

EMS.; O9UL90; 1-113.

InterPro; IPR007110; Ig-like.

InterPro; IPR007110; Ig-like.

SMART; SM00406; IGV; 1.

PROSITE; PSS0835; IG_LIKE; 1.
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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Raaphorst F.M., Timmers E., Kenter M.J., Van Tol M.J., Vossen J.M.,
Schuurman R.K.;
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MEDLINE-98277139; PubMed-9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
                                                                                                                                                                                                                                                                                                                                                                                                     01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
                                                                                                Length 613;
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                                                                                           92.0%; Score 81; DB 2; Length 613
88.2%; Pred. No. 0.0001;
.ive 1; Mismatches 1; Indels
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PROSITE; PS00290; IG_MHC; UNKNOWN_3.
Immunoglobulin domain.
SEQUENCE 613 AA; 67296 MW; 60C7F5950671E315 CRC64;
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113 AA, 12437 MW, ED57FDD19086D07F CRC64,
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81.2%; Pred. No. 0.00049;
iive 1; Mismatches 2;
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21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
1g heavy chain V-III region CAM.
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Best Local Similarity 81.20,
Thes 13; Conservative
                                                                            Query Match
Best Local Similarity 88.28
Marches 15; Conservative
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IRYDGSNKYYADSVKG
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NCBI_TaxID=9606;
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P01768;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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EMBL; BX640624; CAE45778.1; -; mRNA.
                                                                                                                                                                                                                                                                       Match 76.1%; Score 67; DB 2; Length 122; Local Similarity 81.2%; Pred. No. 0.0038; es 13; Conservative 1; Mismatches 2; Indels
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122 AA; 13579 MW; 36054D41366545B8 CRC64;
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein DKFZp686K18196 (Fragment).
Name-DKFZp686K18196;
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
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85.7%; Pred. No. 0.019;
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Ensembl; ENSG0000130076; Homo sapiens.
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PROSITE; PS00290; IG_MHC; UNKNOWN_1.
Hypothetical protein.
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The German Human cDNA Consortium;
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SMR; Q6N092; 289-497.
Interpro; IPR003599; 1G.
Interpro; IPR003597; Ig_c1.
Interpro; IPR003300; Ig_c1.
Interpro; IPR003300; Ig_c1.
Interpro; IPR003300; Ig_v.
Pfam; PP07654; C1-8et; 2.
Pfam; PP07654; C1-8et; 2.
SMART; SM00407; IG; 1.
                            InterPro, IPR007110; Ig-11ke.
InterPro, IPR003596; Ig-v.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
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51 ISNDGSNKFYADSVKG 66
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QGN092_HUMAN PRELIMINARY;
Q6N092;
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QQULB6 HUMAN PRELIMINARY;
QQULB6;
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es 12; Conserv
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ID Q9
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DT 01
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MEDITIES 81013859; PubMed=6774332;

MEDITIES 81013859; PubMed=6774332;

Lehman D.W., Putnam F.W.;

Location of a possible JH segment.";

Proc. Natl. Acad. Sci. U.S.A. 77:3239-3243(1980).

-I. MISCELLANEOUS: This mu chain was isolated from the plasma of a patient with macroglobulinemia.

-I. SIMILARITY: Contains 1 Ig-like (immunoglobulin-like) domain.

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                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               79.5%; Score 70; DB 1; Length 122; 64.7%; Pred. No. 0.0012; 1ve 4; Mismatches 2; Indels
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U-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-CT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pyrrolidone carboxylic acid.
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SMR; P01772, 2FB4.

GO; GO:0005875; C:extracellular region; NAS.

GO; GO:0003823; F:antigen binding; NAS.

GO; GO:0005955; P:immune response; NAS.

InterPro; IPR007110; Ig-like.

InterPro; IRR03596; Ig-v.

FROSITE; PSSO835; IG_LIKE; 1.

PROSITE; PSSO835; IG_LIKE; 1.

Direct protein sequencing; Immunoglobulin domain;

Immunoglobulin V region; Pyrrolidone carboxylic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         122 122
122 AA; 13668 MW; A42D0F17D252F1C2 CRC64;
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Clin. Immunol. Immunopathol. 87:184-192(1998).
EMBL; AR035030; AAD56266.1; -; mRNA.
SMRS; PO1772; 2FB4.
SMRS; Q9UL84; 1-122.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                50 VISYBGBBKYYABSVKG 66
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OGUL84;
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   sapiens (Human).
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NUCLEOTIDE SEQUENCE.
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                                                                                                                          NCBI_TaxID=9606;
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SEQUENCE
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RESULT 6
Q9ULB + HU
D9 Q9ULB - OOUL
DD Q9ULD - OOUL
DD Q9ULB - OOULB -

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Result No.

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The invention relates to an isolated mammalian anti-dual integrin antibody having at least one of the human heavy chain or light chain complementary determining region (CDR). HC CDR1-CDR3, LC CDR1-3). Also included are the nucleic acids encoding the CDRs, a vector comprising the nucleic acids a host cell comprising the vector, an anti-idiotype antibody that binds to the anti-dual integrin, a medical device comprising the antibody sultable for administration by parenteral, subcutaneous, intrandominal, intracapsular, intradronchial, intracapsular, intracartilaginous, intracalebellar, or other routes as given in specification. The antibody is useful for example, immune related disease such as rheumatoid antimal for example, immune related disease such as rheumatoid arthitis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology, sickle cell anaemia, diabetes, cardiovascular disease such as anthology, alckle cell anaemia, diabetes, cardiovascular disease such as bacterial, viral, and fungal infections preumonia, leprosy, malaria, malignant chases euch as leukaemia, chronic myelocytic leukaemia, burkitt's chases euch as leukaemia, chronic myelocytic leukaemia, burkitt's chases euch as multiple myeloma; neurological disease such as multiple cleares, cardiovascula disease such as multiple cleares, cardiovascula disease such as multiple cleares, cardiovascula disease such as multiple cleares, parkinson's disease, spinal ataxia, Alzheimer's disease, creutzfeldt-Jakob disease and many other diseases given in the
                                                                                                                                                                                                                                                                                                                                                                Human; antibody; dual integrin; CDR; heavy chain variable region; HC CDR; medical device; immune related disease; rheumatoid arthritis; gastric ulcer; asthma; allergic rhinitis; Crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; pneumonia; leprosy; malaria; malignant disease; neurological, disease; multiple sclerosis; Parkinson's disease; Alzheimer's disease; Creutzfeldt-Jakob disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
                     Aar63507 Adenomato
Aaw63611 Hepatitis
  Ado08044 Human pol
                                                                                                                                                                                                                                                                                                                                Human anti-dual integrin antibody heavy chain variable region CDR3.
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                                                                                                      ALIGNMENTS
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                     AAR63507
AAW63611
AD008044
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                                                                                                                                                                                                          AAU76329 standard; peptide; 10 AA.
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                                                                                                                                                                                                                                                                                       (first entry)
  2844
2860
2860
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66.7
66.7
66.7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                       21-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14-FEB-2002.
  334
                                                                                                                                                                                                                                               AAU76329;
                                                                                                                                                                  RESULT 1
                                                                                                                                                                                         AAU76329
98
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The invention relates to an isolated mammalian anti-dual integrin antibody having at least one of the human heavy chain or light chain complementary determining region (CDR, HC CDRI-CDR3, LC CDRI-3). Also included are the nucleic acids encoding the CDRs, a vector comprising the nucleic acids a lost cell comprising the vector, an anti-idiotype antibody that binds to the ant-dual integrin, a medical device comprising the antibody suitable for administration by parenteral, subcutaneous, intranscular, intravenous, intravenous, intravenous, intravenous, intraceleballar, or other routes as given in specification. The antibody is useful for diagnosing or treating a dual integrin related condition in an animal for example, immune related disease such as rheumatoid arteritis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology, eichle cell anaemia, diabetes, cardiovascular disease such as arteriosclerosis, atherosclerosis, restenosis, angina pectoris, myocardial infarction, infectious disease in a cell such as bacterial,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; antibody; dual integrin; HC CDR; variable region; LC CDR; medical device; immune related disease; rheumatoid arthritis; gastric ulcer; aethma; allergic rhinitis; crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; pneumonia; leprosy; malaria; malignant disease; leukaemia; chronic myelocytic leukaemia; multiple myeloma; neurological disease; multiple sclerosis; Parkinson's disease; Alzheimer's disease; Creutzfeldt-Jakob disease.
specification. The present sequence is an anti-dual integrin human heavy
                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                         Human anti-dual integrin antibody complete variable region #1.
                                                                                               Length 10
                                                                                                                                 0; Indels
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                                                                                         Score 51; DB 5;
Pred. No. 0.001;
0; Mismatches (
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                                                                                                                                                                                                                                                                                                          AAU76333 standard; peptide; 119 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 134; 144pp; English
                                                                                         100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-AUG-2001; 2001US-00920267.
                                                                       Query Match
Best Local Similarity Loc.
Rest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Giles-Komar J, Heavner G,
                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                       Sequence 10
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                     chain CDR
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CHEN X
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                                                                                                                                                                                    Jakob disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bacteria.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the heavy chain of an anti-tumour necrosis factor (TNF) antibody. The invention provides isolated human, primate, rodent, mammalian, chimeric, humanised and/or CDR-grafted anti-TNF antibodies, immunoglobulins, cleavage products and other specified portions and variants, as well as anti-TNF antibody compositions, encoding or complementary nucleic acids, vectors, host cells, compositions, formulations, devices, transgenic animals, transgenic plants, and methods of making and using them. The anti-TNF antibody comprises at least a portion of an immunoglobulin molecule, especially the heavy chain and/or light chain variable regions
                                                                                                                                                                                                                                                                                                                                                                                           Tumour necrosis factor alpha; TNF; antibody; heavy chain; CDR; complementarity determining region; antirheumatic; antiarthritic; antiulcer; antiasthmatic; antiallergic; antiinflammatory; antisickling; antidabetic; antiartheriosclerotic; antiatherosclerotic; vasotropic; antianginal; cardiant; antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence is that of complementarity determining region 3 (CDR3) of
          disease such as leukaemia, chronic myelocytic leukaemia, Burkitt's Ilymboma, multiple myeloma; neurological disease such as multiple eclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease, creutzfeldt-Jakob disease and many other diseases given in the specification. The present sequence is an anti-dual integrin human (variable region containing at least one of the six CDRs listed above (AAU76327-AAU76332)
                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel isolated mammalian anti-tumor necrosis factor antibody, usefu treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
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                                                                                                                                           Length 119;
 malaria;
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                                                                                                                                                                     0; Indels
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viral, and fungal infections, pneumonia, leprosy,
                                                                                                                                        100.0%; Score 51; DB 5;
100.0%; Pred. No. 0.016;
iive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Giles-Komar J, Knight DM, Heavner G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 21; Page 128; 131pp; English
                                                                                                                                                                                                                                                                                       AAM51160 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-AUG-2000; 2000US-0223360P.
29-SEP-2000; 2000US-0236826P.
01-AUG-2001; 2001US-00920137.
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                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human; diagnosis; therapy.
                                                                                                                                                                     10; Conservative
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EARGSYAFDI 108
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                                                                                                                                                       Local Similarity
                                                                                                                 Sequence 119 AA;
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                                                                                                                                                                                                                                                                                                                AAM51160;
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                                                                                                                                           Query Match
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                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                            RESULT 3
AAM51160
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given in AAM51165-66, or either all of the CDRs of the heavy chain (see AAM51165-60) or all of the CDRs of the light chain (see AAM51161-63). The antibody may inhibit TNF-induced cell adhesion molecules, inhibit TNF binding to receptor, or provide Arthritic Index improvement in a mouse model. It is useful for diagnosing or treating a TNF related condition in a cell, tissue, organ or animal (claimed) such as rheumatoid arthritis, ansemia, diabetes, a cardiovascular disease such as arteriosclerosis, atherosclerosis, restenosis, angina pectoris or myocardial infarction, an infectious disease in a cell such as bacterial, viral, and fungal infections, pneumonia, leprosy and malaria, a malignant disease such as leuksemia, chronic myelocytic leuksemia, Burkitt's lymphoma and multiple myeloma, or a neurological disease such as multiple surkingon's disease, spinal ataxia, Alzheimer's disease and Creutzfeldt-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New recombinant DNA construct comprising a promoter positioned to provide for expression of a polynucleotide encoding a polypeptide from a microbial source, useful for producing plants with improved properties.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Recombinant DNA construct; transformed plant; improved plant property; cold tolerance; heat tolerance; drought tolerance; best cold tolerance; pathogen tolerance; pathogen tolerance; pathogen tolerance; plant disease resistance; cell cycle pathway modification; plant growth regulator; homologous recombination; seed oil yield; protein yield; carbohydrate; nitrogen; phosphorus; photosynthesis; lignin; galactomanna; bacterial polypeptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 42; DB 5;
Pred. No. 0.08;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADN17429 standard; protein; 309 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Slater SC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          82.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-FEB-2003; 2003US-00369493
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacterial polypeptide #82.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2
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EARGSTAFDI
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SLATER S C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cao Y, Hinkle GJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JS2003233675-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 10 AA;
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microbial source. The invention also relates to a transformed plant comprising the recombinant DNA construct and a method of producing a transformed plant having an improved property. The plant is a crop plant source such as maize or soybean. The method of producing a transformed plant having an improved property comprises transformed plant, where the polymbrant DNA construct and growing the transformed plant, where the polymbrant DNA construct is useful for improving plant properties. The recombinant DNA construct is useful for improving plant properties. The recombinant DNA construct is useful for producing plants with tolerance to herbicides, extreme osmotic conditions, pathogens or pests, increased resistance to plant disease, better growth rate by modification of the cell cycle pathway with plant growth regulators, increased rate of content, improved yield by modification of carbohydrate, introgen or providing improved plant growth and development under at least one stress condition, improved plant growth and development under at least one stress condition, improved lighin production or improved galactonmanan production. This sequence represents a bacterial polypeptide used in the scome of the printed specification but was obtained in electronic form part of the printed specification but was obtained in electronic format from USPTO at sequence.html.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "Antigenic peptide. Specifically claimed in Claim
2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'note= "Antigenic peptide. Specifically claimed in Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    129. .147
/note= "Antigenic peptide. Specifically claimed in Claim
provide for expression of a polynucleotide encoding a polypeptide from a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note= "Antigenic peptide. Specifically claimed in Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Outer membrane protein A; OMP A; IL-8; interleukin-8; peptic ulcer; cancer; respiratory disease; sepsis; antiulcer; cytostatic; antibacterial; immunosuppressive.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                74.5%; Score 38; DB 8; Length 309; 70.0%; Pred. No. 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22. .349
/note= "Specifically claimed in Claim 9"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Acinetobacter outer membrane protein A (OMP A).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADM46159 standard; protein; 349 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .349
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .45
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98 KAKGVYAFDI 107
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                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 309 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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ADM46159
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17-MAY-2000; 2000US-00573630

US6713062-B1

30-MAR-2004

99US-0134399P

17-MAY-1999;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    membrane protein A (OMP A), and polynucleotide sequences encoding it. The OMP A polypeptide stimulates IL-8 (interleukin-8) expression and crossreacts with an antibody that binds to the Acinetobacter OMP A protein. Also disclosed are antigenic peptides of the OMP A polypeptide. The OMP A polypeptide and antigenic peptides are useful for diagnosing or treating diseases including peptic ulcers, cancers, respiratory diseases, sepsis and other conditions. The OMP A polypeptide is also useful for preparing a vaccine in situations where an antibody is not required to cross an epithelial cell barrier to be effective. The present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New Acinetobacter baumanii proteins and nucleic acids, useful as reagents for diagnosing a bacterial disease, as components of antibacterial vaccines, as targets for antibacterial drugs, or as biocontrol agents for
                                                                                                                                                                                                                                                         New Acinetobacter outer membrane protein and nucleic acids, useful for diagnosing or treating diseases including peptic ulcers, cancers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to the isolation of Acinetobacter sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     baumannii; bacterial disease; antibacterial; vaccine;
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Pred. No. 30;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example; SEQ ID NO 5219; 328pp; English
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                                                                                                                                                                                                                                                                                                                                                                                           Claim 9; SEQ ID NO 2; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADA33932 standard; protein; 379 AA
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                                                                                                                                                                                                                                                                                               diagnosing or treating diseases respiratory diseases or sepsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 74.5%;
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                                                                                                                                                      WPI; 2004-345078/32.
N-PSDB; ADM46158, ADM46163.
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Best Local Similarity 77.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Acinetobacter baumannii
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           plant biocontrol agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           169 EARGTYHFD 177
                              (UNMI ) UNIV MICHIGAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Acinetobacter OMP A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Breton G, Bush D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N-PSDB; ADA29806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 349 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Acinetobacter
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                                                                                               Merchant JL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-MAY-2003.
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                             The A. baumannii nucleic acids and polypeptides are useful as reagents for diagnosing a bacterial disease, as components of antibacterial vaccines, as targets for antibacterial drugs, to detect the presence of A. baumannii and other Acinecbacter species in a sample, in screening compounds for the ability to interfere with the A. baumannii life cycle or to inhibit A. baumannii infection, and as biocontrol agents for plants. The present sequence represents the amino acid sequence of an A. baumannii protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                isomalto oligosaccharide, alpha-1,4-glycoside linkage, pullulan, panose, glucose, foodstuff, low calorie, health food; alpha-amylase, TVAII; enzyme, bifidobacterium proliferation factor.
                  invention relates to isolated Acinetobacter baumannii nucleic acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Producing isomalto oligosaccharide for use in the food industry, comprises reacting an enzyme which hydrolyzes an alpha-1, 4-glycoside linkage on pullulan or panose in the presence of glucose.
                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                           Score 38; DB 6; Length 379;
Pred. No. 32;
1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Thermoactinomyces vulgaris alpha-amylase TVAII protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 38; DB
Pred. No. 53;
                                                                                                                                                                                                                                                                                                                                                                                                                         ADN95004 standard; protein; 585 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (OJIP ) OJI CORN STARCH CO LTD. (SAKA/) SAKANO Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-DEC-2003; 2003JP-00424104.
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                                                                                                                                                                                                                               74.5%;
77.8%;
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70.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Thermoactinomyces vulgaris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                 Conservative
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193 EARGTYNFD 201
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                                                                                                                                                                                                          Query Match
Best Local Similarity
7; Conserve
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N-PSDB; ADN95003.
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Best Local Similarity
                                                                                                                                                                                            Sequence 379 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 585 AA;
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                                                                                                                                                                                                                                                                                               BLys; B lymphocyte stimulator; TNF superfamily; human; cytostatic; tumour necrosis factor; B cell proliferation; B cell differentiation; fimunosuppressive; immunostimulati, immunomodulatory; antirheumatic; antiALDS; vaccine; cancer; immune; autoimmune disorder; immunodeficiency; systemic lupus erythematosus; rheumatoid arthritis; CVID; AIDS; common variable immunodeficiency; acquired immunodeficiency syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and activity such as cancer, immune, and autoimmune disorders and diseases, e.g. systemic lupus erythematosus, rheumatoid arthritis, immunodeficiency (c.g. common variable immunodeficiency (CVID) and acquired immunodeficiency syndrome (AIDS)). ABP41990-ABP41228 represent the antibodies and fragments of the antibodies described in the method of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antibodies against B Lymphocyte Stimulating polypeptides, useful for the diagnosis and treatment of cancers and immune disorders.
Gaps
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                                                                                                                                                                                                                                                                  Human BLyS binding scFv VH CDR3 SEQ ID 3185.
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Mismatches
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(CAMB-) CAMBRIDGE ANTIBODY TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 2; Page 3130; 3148pp; English
                                                                                                                                                         ABP47174 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Choi GH,
2;
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; 2000US-0240B16P.
; 2001US-0276248P.
; 2001US-0277379P.
; 2001US-0293499P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUN-2001; 2001WO-US019110.
                                                                                                                                                                                                                               (first entry)
Conservative
                                   1 EARGSYAFDI 10
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EAKGSYAYPI
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                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-JUN-2000;
17-OCT-2000;
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                                                                                                                                                                                                                               19-AUG-2002
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7;
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Matches
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Gaps

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0; Indels

5; Length 11;

OB

72.5%; Score 37;

100.08;

Best Local Similarity 100. Matches 7; Conservative

Query Match

Pred. No. 1; 0; Mismatches

GSYAFDI 11

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This invention relates to novel antibodies that immunospecifically bind to B lymphocyte stimulator (BLyS). The BLyS gene has been mapped to chromosome 13g4 and encodes a protain that is a member of the tumour necrosis factor superfamily and induces both in vivo and in vitro B cell proliferation and differentiation. Specifically, it refers to single chain antibody molecules (scFvs) derived, preferably, from the variable heavy CDR3 region that immunospecifically bind to a polypeptide, or fragment thereof, of either human, murine, rat or monkey BLyS. The present invention refers to the use of such antibodies in various methods for the detection, diagnosis and prognosis of diseases related to the aberrant expression or inappropriate function of BLyS or its receptor. As such, these compositions are useful for identifying immune disorders including myasthenia gravis and multiple sclerosis, inflammatory disorders e.g. asthma and rheumatoid arthritis, infectious diseases such a ALDS and proliferative disorders including leukaemia, carcinoma and lymphoma. Accordingly, they can be described as exhibiting various activities such as antirheumatic, antiathinimitic, neuroprotective, antifilammatory, antiathinitic, antiathinimitic, neuroprotective, antifilammatory, antiathinimitic, antiathinimitic, multiple peptide sequence is a single chain antibody variable heavy CDR3 peptide that immunospecifically binds BLyS of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel antibody that immunospecifically binds to a B lymphocyte stimulator (BLys), useful for detecting and treating diseases or disorders e.g. rheumatoid arthritis, asthma and leukemia.
                                                                                                                                                                                                                                                                                                                     antibody; B lymphocyte stimulator; BLyS; tumour necrosis factor; B cell proliferation; differentiation; scFv; myasthenia gravis; multiple sclerosis; asthma; rheumatoid arthritis; AIDS; leukaemia; carcinoma; lymphoma; antirheumatic; antiarthritic; neuroprotective; antiinflammatory; antiasthmatic; antiallergic; cytostatic.
                                                                                                                                                                                                                                                                               scFV VHCDR3 peptide that immunospecifically binds BLyS SeqID 3185.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1; SEQ ID NO 3185; 394pp; English.
                                                                                                                                                ADG98001 standard; peptide; 11 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Choi GH,
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                                                                                                                                                                                                                                      (first entry)
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GSYAFDI 10
                                      GSYAFDI 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unidentified
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This invention describes novel antibodies that immunospecifically bind to be Lymphocyte Stimulator (BLyS) polypeptides. BLyS is a member of the tumour necrosis factor (TMF) super family and induces B cell proliferation and differentiation. The antibodies of the invention have cytostatic, immunosuppressive, immunostimulant, immunomdulatory, antithematic and antiAIDS activity and can be used in vaccines to inhibit the expression and activity of BLyS. The antibodies bind to BLyS and so may be used to detect and quantitate the presence of BLyS in associated with aberrant expression of BLyS. They may also be administered to treat diseases associated with aberrant BLyS expression
                                                                                                                                                                             BLys; B lymphocyte stimulator; TNF superfamily; human; cytostatic; tumour necrosis factor; B cell proliferation; B cell differentiation; immunosuppressive; immunostimulatory; antirheumatic; antiAIDS; vaccine; cancer; immune; autoimmune disorder; immunodeficiency; systemic lupus erythematosus; rheumatoid arthritis; CVID; AIDS; common variable immunodeficiency; acquired immunodeficiency syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              acquired immunodeficiency syndrome (AIDS)). ABP43990-ABP47228 represent the antibodies and fragments of the antibodies described in the method of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           useful for the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diseases, e.g. systemic lupus erythematosus, rheumatoid arthritis, immunodeficiency (e.g. common variable immunodeficiency (CVID) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and activity such as cancer, immune, and autoimmune disorders and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; Page 2709-2710; 3148pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (HUMA-) HUMAN GENOME SCI INC.
(CAMB-) CAMBRIDGE ANTIBODY TECHNOLOGY.
                                                                                                                                              Human BLyS binding scFv SEQ ID 1935.
                                ABP45924 standard; protein; 243 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Choi GH,
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.6-MAR-2001; 2001US-0276248P.
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                                                                                                          (first entry)
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                    Homo sapiens.
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                                                                                                          19-AUG-2002
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                                                                       ABP45924;
RESULT 10
                   ABP4592
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72.5%; Score 37; DB 7; Length 11; 100.0%; Pred. No. 1; 0; Indels ive 0; Mismatches 0; Indels

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Local Similarity 100.

Query Match Matches 103 GSYAFDI 109

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This invention relates to novel antibodies that immunospecifically bind to B lymphocyte stimulator (BLyS). The BLyS gene has been mapped to Chromosome 1344 and encodes a protein that is a member of the tumour necrosis factor superfamily and induces both in vivo and in vitro B cell proliferation and differentiation. Specifically, it refers to single contains the factor superfamily and induces both in vivo and in vitro B cell proliferation and differentiation. Specifically, it refers to single contains thereof, of either human, murine, rat or monkey BLyS. The present invention refers to the use of such antibodies in various methods for the detection, diagnosis and prognosis of diseases related to the aberrant expression or inappropriate function of BLyS or its receptor. As a such, these compositions are useful for identifying immune disorders including myasthenia gravis and multiple solerosis, inflammatory captions are useful for identifying immune disorders including myasthenia gravis and multiple solerosis, inflammatory antibolify they can be described as exhibiting various activities such as antirheumatic, antiathritic, neuroprotective, antiinflammatory, antiaschmatic, antiathritic, neuroprotective, antiinflammatory, antiaschmatic, antiallergic and cytostatic. This continued specification, but was obtained in electronic format to disorders in the patient of the printing of the printing of the printing and multiple and propertied of this patent did not form part of disorders in the printed specification, but was obtained in electronic format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              stimulator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel antibody that immunospecifically binds to a B lymphocyte stimu (BLys), useful for detecting and treating diseases or disorders e.g. rheumatoid arthritis, asthma and leukemia.
                                                                                                                                                                                                                                                                                                 antibody; B lymphocyte stimulator; BLyS; tumour necrosis factor; B cell proliferation; differentiation; scFv; myasthenia gravis; multiple sclerosis; asthma; rheumatoid arthritis; AIDS; leukaemia; carcinoma; lymphoma; antirheumatic; antiarthritic; neuroprotective; antiinflammatory; antiasthmatic; antiallergic; cytostatic.
                                                                                                                                                                                                                                                     Single chain antibody that immunospecifically binds BLyS SegID 1935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              directely from WIPO at ftp.wipo.int/pub/published pct_sequences
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                                                                                                              ADG96751 standard; protein; 243 AA
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19-DEC-2001; 2001US-0340817P.
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                                                                                                                                                                                                          (first entry)
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103 GSYAFDI 109
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Unidentified.
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The invention relates to a protein (ABP25413-ABP30895) from group B streptococcus/GBS (Streptococcus agalactiae) or group A streptococcus/GBS (Streptococcus agalactiae) or group A streptococcus/GBS (Streptococcus pyogenee), comprising one of 5481 sequencee (S1), given in the specification. The proteins have antibacterial and antiinflammatory activity. (I), nucleic acids encoding (I), ABN66044-ABN71526 and antibodies that bind (I) are used in the manufacture of medicaments for the treatment or prevention of infection or disease caused by Streptococcus bacteria, particularly S. agalactiae and S. pyrogenes. Nucleic acids encoding (I) are used to detect Streptococcus in a bilogical sample. (I) is used to detect Streptococcus in a compound binds to (I). A composition comprising (I) or a nucleic acid encoding (I), may be used as a vaccine or disgnostic composition. The disease caused by Streptococcus that is prevented or treated may be meningitis. Nucleic acid encoding (I) may be used to recombinantly produce (I) and may be used in gene therapy. Antibodies to (I) are used for affinity chromatography, immunoassays, and distinguishing/identifying
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                                                                                                                                            Streptococcus; GAS; GBS; group B streptococcus; Streptococcus agalactiae; group A streptococcus; Streptococcus pyogenes; antibacterial; antiinflammatory; infection; vaccine; meningitis; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New Streptococcus protein for the treatment or prevention of infection or disease caused by Streptococcus bacteria, such as meningitis, and for detecting a compound that binds to the protein.
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77.8%; Pred. No. 14;
iive 1; Mismatches
                                                                                                      Streptococcus polypeptide SEQ ID NO 8094.
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ABP29459 standard; protein; 76
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24-NOV-2000; 2000GB-00028727.
07-MAR-2001; 2001GB-00005640.
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                                                                     (first entry)
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                                                                                                                                                                                                                   Streptococcus pyogenes.
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N-PSDB; ABN70090.
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                                                                     02-JUL-2002
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Tettelin H;
                                   ABP29459;
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GSYAFDI 10

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Gaps

(first entry)

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Genomic nucleotide sequences encoding polypeptides of Streptococcus agalactiae for the development of vaccines, diagnostic tools, DNA chips and identification of therapeutic targets.
                                                                                               Streptococcus agalactiae protein sequence, SEQ ID 1534
                                                                                                                                    Antibacterial; Vaccine; bacterial infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 6; SEQ ID NO 1534; 2687pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Rusniok C, Chevalier F,
Couve E, Buchrieser C,
                                                                                                                                                                                                                                                                                                                                                                            (INSP ) INST PASTEUR.
(CNRS ) CNRS CENT NAT RECH SCI.
                                                                                                                                                                                                                                                                                                                                        26-APR-2001; 2001FR-00005642.
                                                                                                                                                                                                                                                                                                 26-APR-2001; 2001FR-00005642.
                                                                                                                                                                             Streptococcus agalactiae.
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                                                                                                                                                                                                                     FR2824074-A1
                                                         24-FEB-2005
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Zouine M,
                    ADV89140;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a protein (ABP25413-ABP30895) from group B streptococcus/GBS (Streptococcus agalactiae) or group A streptococcus/GAS (Streptococcus pyogenes), comprising one of 5481 sequences (51), given in the specification. The proteins have antibacterial and antiinflammatory activity. (1), nucleic acids encoding (1), ABN66044-ABN71526 and the back and that bind (1) are used in the manufacture of medicaments for the treatment or prevention of infection or disease caused by Streptococcus bacteria, particularly S. agalactiae and S. pyrogenes. Nucleic acids encoding (1) are used to detect Streptococcus in a streptococcus manner. (1) is used to determine whether a compound binds to (1). A composition comprising (1) or a nucleic acid encoding (1), may be used as a vaccine or diagnostic composition. The disease caused by Streptococcus that is prevented or treated may be meningitis. Nucleic acid encoding (1) may be used to recombinantly produce (1) and may be used in gene therapy. Antibodies to (1) are used for affinity contropoccus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New Streptococcus protein for the treatment or prevention of infection or disease caused by Streptococcus bacteria, such as meningitis, and for detecting a compound that binds to the protein.
                                                                                                                                                                                                Streptococcus; GAS; GBS; group B streptococcus; Streptococcus agalactiae; group A streptococcus; Streptococcus pyogenes; antibacterial; antiinflammatory; infection; vaccine; meningitis; gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       70.6%; Score 36; DB 5; Length 76; 77.8%; Pred. No. 14; 1; Indels ive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Grandi G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Masignani V, Margarit Y RosI,
                                                                                                                                                           Streptococcus polypeptide SEQ ID NO 10420.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 4167; 4525pp; English.
                                       ABP30622 standard; protein; 76 AA.
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07-MAR-2001; 2001GB-00005640.
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                                                                                                                                                                                                                                                                                                                                                                                                                                          27-OCT-2000; 2000GB-00026333
                                                                                                                   (first entry)
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(GENO-) INST GENOMIC RES.
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                                                                                                                                                                                                                                                                                 Streptococcus agalactiae
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54 EARESYSFD 62
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                                                                                                                                                                                                                                                                                                                    WO200234771-A2.
                                                                                                                   02-JUL-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tettelin H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  relford J,
                                                                              ABP30622;
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  RESULT 13
                    ABP3062
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Frangeul L, Lalioui L; Poyart C, Trieu CP, Kunst

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The present invention relates to novel Streptococcus agalactiae nucleotide sequences (I; ADV87607-ADV87745) and novel polypeptides (II; ADV87607-ADV87745) and novel polypeptides (II; ADV87607-ADV87745) and novel polypeptides (II; ADV87607-ADV87746-ADV895950). The nucleotide sequences encode polypeptides of S. agalactiae involved in the synthesis of amino acids, cell membranes, intermediate (central) metabolism, energetic metabolism, fatty acid and phospholipid metabolism, nucleotide metabolism including purines, prospholipid metabolism, nucleotide metabolism including purines, transcription, translation, protein transport, adaptation to atypical conditions, sensitivity to medicines and/or analogues, functions related transposons, blosynthesis of cofactors, proschetic groups and transporters, cell membrane proteins and cellular machinery. (I) are useful for the detection and/or amplification of nucleic acids. Pharmaceutical composition comprising (I) or (II) are useful for the abacterial S. agalactise infection. Note: W020029818A2 is equivalent for the present basic patent FR2824074A1. W0200292818A2 contains 6617 sequence whereas the present patent only contains 2344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 36; DB 8; Length 76;
Pred. No. 14;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Streptococcus agalactiae protein, SEQ ID 3643.
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Best Local Similarity
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ADV89140 standard; protein; 76 AA.

RESULT 14 ADV89140 ID ADV89

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Barash SC,
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                                                                      Glaser
                                                                                 Zouine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                       mucleotide aguences encode polypeptides of S. agalactiae involved in the synthesis of amino acids, cell membranes, intermediate (central) enclaodism, energetic metabolism, fatty acid and phospholipid metabolism, nucleotide metabolism including purines, pyrimidines and/or nucleosides, regulatory functions, replication, transcription, translation, protein transport, adaptation to atypical conditions, sensitivity to medicines and/or analogues, functions related to transposons, biosynthesis of coffactors, prosthetic groups and transporters, cell membrane proteins and cellular machinery. (I) are useful for the detection and/or amplification of nucleic acids. Pharmaceutical composition comprising (I) or (II) are useful for the detection and/or amplification of nucleic acids. Pharmaceutical composition comprising (I) or (II) are useful for treatment of a bacterial S. agalactiae infection. The complete genome of Streptococcus agalactiae is given in ADVB1204. Note: The present patent is an equivalent for the basic patent FR2824074A1, which
                                                                                                                                                                                                                    Genomic nucleotide sequences encoding polypeptides of Streptococcus agalactiae for the development of vaccines, diagnostic tools, DNA chips and identification of therapeutic targets.
                                                                                                                                                                          Kunst F;
                                                                                                                                                                                                                                                                                        The present invention relates to novel Streptococcus agalactiae nucleotide sequences (I; ADV78860-ADV78998 and ADV83341-ADV85476) and novel polypeptides (II; ADV78999-ADV81203 and ADV81205-ADV83340). The
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                                                                                                                                                             Frangeul L, Lalioui L;
Poyart C, Trieu-Cuot P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 36; DB 8; Length 76;
Pred. No. 14;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Streptococcus agalactiae protein, SEQ ID 1534.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antibacterial; vaccine; bacterial infection.
                                                                                                                                                                                                                                                                 Claim 6; SEQ ID NO 3643; 439pp; French.
                                                                                                                                                             Rusniok C, Chevalier F,
Couve E, Buchrieser C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADV80393 standard; protein; 76 AA.
                                                                                                                         (INSP ) INST PASTEUR.
(CNRS ) CNRS CENT NAT RECH SCI
                                                                                                     26-APR-2001; 2001FR-00005642.
                                                                              26-APR-2002; 2002WO-IB003059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            contains only 2344 sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          70.6%;
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            Streptococcus agalactiae.
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EARESYSFD 62
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                                                                                                                                                                                               WPI; 2004-101891/11.
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                                 WO200292818-A2
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                                                        21-NOV-2002
                                                                                                                                                             Glaser P,
Zouine M,
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Best Local S
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The present invention relates to novel Streptococcus agalactiae
nucleotide sequences (I; ADV78999 and ADV83141-ADV85476) and
novel polypeptides (II; ADV78999-ADV81205-ADV81205-ADV83340). The
nucleotide sequences encode polypeptides of S. agalactiae involved in the
cucleotide sequences encode polypeptides of S. agalactiae involved in the
cucleotide metabolism including purines, intermediate (central)
metabolism, energetic metabolism, fatty acid and phospholipid metabolism,
cucleotide metabolism including purinies, pyrimidines and/or nucleosides,
crequlatory functions, replication, transcription, translation, protein
transport, adaptation to atypical conditions, sensitivity to medicines
and/or analogues, functions related to transposons, biosynthesis of
cofactors, prosthetic groups and transporters, cell membrane proteins and
cellular machinery. (I) are useful for the detection and/or amplification
of nucleic acids. Pharmaceutical composition comprising (I) or (II) are
useful for treatment of a bacterial S. agalactiae infection. The complete
genome of Streptococcus agalactiae is given in ADV81204. Note: The
present patent is an equivalent for the basic patent FR2824074AI, which
contains only 2344 sequences.
                                                                                                                                                                                                                                                                                                                                      Genomic nucleotide sequences encoding polypeptides of Streptococcus agalactiae for the development of vaccines, diagnostic tools, DNA chips and identification of therapeutic targets.
                                                                                                                                                                                                          Kunst F;
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                                                                                                                                                                      Frangeul L, Lalioui L;
Poyart C, Trieu-Cuot P,
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Pred. No. 14;
1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 6; SEQ ID NO 1534; 439pp; French.
                                                                                                                                                                   , Chevalier F,
Buchrieser C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAG75198 standard; protein; 170 AA.
                                                         (INSP ) INST PASTEUR.
(CNRS ) CNRS CENT NAT RECH SCI.
26-APR-2001; 2001FR-00005642.
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                                                                                                                                                                                                       Couve E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FARESYSFD
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                                                                                                                                       Cancer-associated nucleic acid molecules (N) and proteins (P), where the proteins are collectively known as colon cancer antigens. The colon cancer antigens have cytostatic activity and can be used in gene therapy and vecine production. N and P may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate P expression. For example, N and P may be used to treat disorders associated with decreased cypression by rectifying mutations or deletions in a patient's genome that affect the activity of P by expressing inactive proteins or to supplement the patients own production of P. Additionally, N may be used to produce the colon cancer-associated Ps, by inserting the nucleic acids into a host cell and culturing the cell to express the proteins. N and P carcinomas and cancers. AAH37196 to AAH37204 and AAB77789 represent carcinomas and cancers. AAH37196 to AAH37204 and AAB77789 represent carcinomas and page 7053 of the sequence listing were missing at time of publication, meaning no sequences are present for SEQ ID NO:1027 to 1052, 7921 and 7922
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human gastric cancer associated antigen protein sequence SEQ ID NO:1021.
                                                        Nucleic acids encoding 4277 human colon cancer-associated polypeptides, useful for preventing, diagnosing and/or treating colorectal cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acids encoding breast, gastric and prostate cancer associated antigen precursors, useful for diagnosing and treating a condition characterized by expression of an abnormal amount of a protein, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                    AAH32943 to AAH37195 and AAG73514 to AAG77788 represent human colon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; breast cancer; gastric cancer; prostate cancer; diagnosis; cancer associated antigen; cytostatic; cancer vaccine.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 70.6%; Score 36; DB 4; Length 170; 66.7%; Pred. No. 35; cive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                         Claim 11; Page 7467-7468; 9803pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB63659 standard; protein; 222 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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              WPI; 2001-235357/24
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AKGTYTFDI
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                              N-PSDB; AAH34603
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 170 AA;
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AAB63659
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AAF22422 to AAF22626, AAF22627 to AAF22773 and AAF22774 to AAF23014 represent nucleotide sequences encoding human breast, gastric and prostate cancer associated antigen precurens (CAAP) respectively. AAB63468 to AAB63722 to AAB63462 to AAB63462 to AAB63722 to AAB63460 to AAB63721 and AAB63722 to AAB63460 represent human breast, gastric and prostate CAAP protein sequence respectively. CAAPS have cytostatic activity and can be used in the production of cancer vaccines. The human CAAP proteins, peptides, nucleic acids or anti-CAAP entibodies are useful for diagnosing and treating a condition characterised by expression of an abnormal amount of a protein,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic polypeptides. The proteins and their associated DNA sequences are used in the treatment, prevention and diagnosis of medical conditions caused by P. acnes. The disorders include SAPHO syndrome (synovitis, acne, pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis. P. acnes is also involved in infections of bone, joints and the central nervous system, however it is particularly involved in the inflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis; uveitis; endophthalmitis; bone; joint; central nervous system; ELISA; inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay; dermatological; osteopathic; neuroprotectant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Propionibacterium acnes polypeptides and nucleic acids useful for vaccinating against and diagnosing infections, especially useful for treating acne vulgaris.
                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                   70.6%; Score 36; DB 4; Length 222; 66.7%; Pred. No. 47; 1; Indels ive 2; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Propionibacterium acnes immunogenic protein #13702.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wang SS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mitcham JL, Wang St
, Jen S, Carter D;
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Example 1; Page 658; 799pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAU52806 standard; protein; 433 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-APR-2000; 2000US-0199047P.
02-JUN-2000; 2000US-0208841P.
07-JUL-2000; 2000US-0216747P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Skeiky YAW, Persing DH, M
L'maisonneuve J, Zhang Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 60...
6. Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  140 AKGTYTFDI 148
                                                                                                                                                                                                                                                                                                                                                                                                          2 ARGSYAFDI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-616774/71.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               N-PSDB; AASS9557
                                                                                                                                                                                                                                                                             Sequence 222 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New Propionibacterium acnes polypeptides and polynucleotides encoding the polypeptide, useful for diagnosing, preventing or treating acne vulgaris, or for stimulating an immune response specific for a P. acnes protein.
lesions associated with acne vulgaris. A method for detecting the presence or absence of P. acnes in a patient comprises contacting a sample with a binding agent that binds to the proteins of the invention and determining the amount of bound protein in the sample. The polypeptides may be used as antigens in the production of antibodies pepcific for P. acnes proteins. These antibodies can be used to downregulate expression and activity of P. acnes polypeptides and therefore treat P. acnes infections. The antibodies may also be used as diagnostic agents for determining P. acnes presence, for example, by enzyme linked immunosorbent assay (ELISA). Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention relates to an isolated polynucleotide (ACF64435-ACF64733)
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Jones R, Carter D;
                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Propionibacterium acnes predicted ORF-encoded polypeptide #14001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Acne vulgaris; antiseborrhoeic; dermatological; antibacterial;
immunostimulant; immune response; vaccine.
                                                                                                                                                                                                                                                                                                                   70.6%; Score 36; DB 4; Length 433; 60.0%; Pred. No. 99; ive 3; Mismatches 1; Indels
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Benson DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; SEQ ID NO 14001; 1481pp; English.
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Lodes MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABM49325 standard; protein; 433 AA.
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Zhang Y, Wang S, Jen S, Lode
Barth B, Vallieve-Douglass J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-OCT-2002; 2002WO-US032727.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-OCT-2001; 2001US-00978825.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 60.0
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EARWTYAYDV 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Propionibacterium acnes.
                                                                                                                                                                                                                                                                                                                                                                                                1 EARGSYAFDI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-381789/36.
N-PSDB; ACF64486.
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                                                                                                                                                                                                                                                                              Sequence 433 AA;
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ID ABM
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antigen-presenting cells that express the polypeptide); a method and kit cor antigen-presenting cells that express the polypeptide); a method and kit cor detecting or determining the presence or absence of F. acres in a patient; and a method for inhibiting the development of F. acres in a patient. The P. acres polypeptides, polynucleotides, antibodies, fusion proteins. T cell populations or antigen-presenting cells that express the polypeptides are useful for diagnosing, preventing or treating acre vulgaris, or for stimulating an immune response specific for a P. acres or protein. The polynucleotides can also be used as probes or primers for nucleic acid hybridisation. The vaccine composition is useful for the stimulation of an immune response against P. acres, or for treating acre timulation of an immune response adjainst P. acres, or for treating acre cand the kit is useful for performing a diagnostic assay. The present cequence represents a polypeptide predicted to be encoded by an ORF (open reading frame) contained within the P. acres polynucleotides of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp. wipo.int/pub/published_pot_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention describes a new isolated nucleic acid encoding a Klebsiella pneumoniae polypeptide. Also described are: a recombinant expression vector comprising the nucleic acid, operably linked to a transcription regulatory element, and a cell comprising the recombinant expression vector. The nucleic acid is useful for preparing a vaccine composition against Klebsiella pneumoniae. This is the amino acid sequence of a Klebsiella pneumoniae polypeptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New nucleic acid encoding a Klebsiella pneumoniae polypeptide, useful for
preparing a vaccine composition against Klebsiella pneumoniae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Recombinant expression vector; transcription regulatory element; Klebsiella pneumoniae protein; antibacterial; Vaccine.
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                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6; Length 433;
99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Klebsiella pneumoniae polypeptide segid 12914.
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                                                                                                                                                                                                                                                                                                                                                                                                                  70.6%; Score 36; DB 60.0%; Pred. No. 99; ive 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABO66397 standard; protein; 487 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-JAN-2000; 2000US-00489039.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99US-0117747P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
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EARWTYAYDV 356
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Klebsiella pneumoniae.
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                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                             Sequence 433 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           347
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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        82888888888888888888888888888888
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Sequence 487

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Homo sapiens.
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                                                                                                                                                                            ABG22566;
                                                                   Matches
                                                                                                                                      RESULT 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This sequence represents the human antizuai-1 (AZ-1) protein sequence. The AZ-1 gene is located on chromosome log26, and encodes a protein that acts as a tumour suppressor or marker of malignancy progression or reversion. The AZ-1 protein is a tumour suppressor, it interacts with Ecadherin and beta-catenin. The protein has four domains, a serine and proline rich domain (SPAZI), two regions which have immunoglobuline like folds, and a colled-coil domain which forms amphiphathic helices that nucleotide or amino acid sequences are used to diagnose a breast cell malignancy, also for monitoring disease progression, particularly assessment of therapeutic efficacy. The nucleotide sequence is used in vivo or ex vivo gene therapy, and AZ-1 polypeptides are used for treating or preventing breast cancer. AZ-1 polypeptides are also used to raise specific antibodies, for diagnostic detection of AZ-1. Fragments of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid encoding a tumor suppressor or marker, used for diagnosis, monitoring progress or treatment, and gene therapy of breast
                            Gaps
                            ö
                                                                                                                                                                                                Antizuai-1; AZ-1; human; breast cancer; malignancy reversion;
tumour suppressor; malignancy progression marker.
        Score 36; DB 7; Length 487; Pred. No. 1.1e+02;
                           1; Indels
                                                                                                                                                                                                                                                                             /note= " Serine and proline rich domain"
                                                                                                                                                                                                                                                                                                                                                /note= "Coiled-coil domain"
                            2; Mismatches
                                                                                                                                                                           Human antizuai-1 (AZ-1) protein sequence.
                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                  AAY78794 standard; protein; 571 AA.
                                                                                                                                                                                                                                                                                                        250. .360
/label= Region_II
                                                                                                                                                                                                                                                                                     109. .248
/label= Region_I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 5; Fig 6; 120pp; English.
                                                                                                                                                                                                                                                         1. .107
/label= SPAZI
      70.6%;
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                                                                                                                                                                                                                                                                                                                             362. .571
/label= CCD
                                                                                                                                                          19-MAY-2000 (first entry)
                 Best Local Similarity 66.7
Matches 6; Conservative
                                               2 ARGSYAFDI 10
                                                                  47 ARGEHAFDV 55
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bissell M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 CHEN H.
BISSELL M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N-PSDB; AAZ90111
                                                                                                                                                                                                                                                                                                                                                                    WO200000503-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                (CHEN/) CHEN
                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                          25-JUN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                        06-JAN-2000.
                                                                                                                                      AAY78794;
         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chen H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cancer.
                                                                                                                                                                                                                                                           Domain
                                                                                                                                                                                                                                                                                                                              Domain
                                                                                                                                                                                                                                                                                       Region
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The invention relates to isolated polynucleotide (I) and polypeptide (II)

sequences. (I) is useful as hybridisation probes, polymerase chain

caection (PCR) primers, oligomers, and for chromosome and gene mapping,

and in recombinant production of (II). The polynucleotides are also used

in diagnostics as expressed sequence tags for identifying expressed

genes. (I) is useful in gene therapy techniques to restore normal

cativity of (II) or to treat disease states involving (II). (II) is

cuseful for generating antibodies against it, detecting or quantitating a

cusplement. (II) and its binding partners are useful in medical imaging

cof sites expressing (II). (I) and partners are useful in medical imaging

cof sites expressing (II). (I) and partners are useful in medical imaging

cof sites expressing (II). (I) and jest principle or treating disorders

cof sites expressing (II). (I) and jest products or biological activity. The

polypeptide and polynucleotide sequences have applications in

chapmostics, forensics, gene mapping, identification of mutations

chapmostics, forensics, gene mapping, identification of mutations

cand to produce other types of data and products dependent on DNA and

canno acid sequences of the invention. Note: The sequence data for this

patent did not appear in the printed specification, but was obtained in

clectronic format directly from WIDO at

the wipo.int/pub/published_pot_sequences
                                                                                                                                                                                                                                                                                                   ö
AZ-1 nucleotide sequence are useful as probes or primers for detecting expression of the AZ-1 gene
                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder.
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                                                                                                                                                                                                             Score 36; DB 3; Length 571;
Pred. No. 1.4e+02;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 20; SEQ ID NO 52925; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human diagnostic protein #22557.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABG22566 standard; protein; 637 AA.
                                                                                                                                                                                                             70.6%;
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23-AUG-2000; 2000US-00649167.
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                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                    2 ARGSYAFDI 10
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N-PSDB; AAS86753.
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                                                                                                                                                                                                                  Query Match
Best Local Similarity
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                                                                                                                                    Sequence 571 AA;
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Sequence 637 AA;

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ABG11232 standard; protein; 653 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  biodiversity.
                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                11-OCT-2001.
                                                                                         ABG11232;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
      RESULT 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene is a variant of the anticuai-1 (A2-1) gene (see AAZ9011). The A2-1 gene is located on chromosome 10q26, and encodes a protein that acts as a tumour suppressor or marker of malignancy progression or reversion. The A2-1 protein and its variants are tumour suppressors, A2-1 interacts with B-cadherin and beta-catenin. Detecting low levels of A2-1 interacts with amino acid sequences are used to diagnose a breast cell malignancy, also for monitoring disease progression, particularly assessment of therapeutic efficacy. The nucleotide sequence is used in in vivo or ex vivo gene therapy, and A2-1 polypeptides are used for treating or preventing breast cancer. A2-1 polypeptides are also used to raise specific antibodies, for diagnostic detection of A2-1. Fragments of the A2-1 nucleotide sequence are useful as probes or primers for detecting expression of the A2-1 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                TACC2; AZ-1 variant; human; breast cancer; malignancy progression marker; malignancy reversion; tumour suppressor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       suppressor or marker, used for treatment, and gene therapy of breast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This sequence represents the human TACC2 amino acid sequence. The TACC2
                                                                       Gaps
                                                                       ö
                         Score 36; DB 4; Length 637;
Pred. No. 1.5e+02;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    70.6%; Score 36; DB 3; Length 653; 66.7%; Pred. No. 1.6e+02; ive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                    Human TACC2 (AZ-1 variant) amino acid sequence.
                                                                                                                                                                                                                                                                   AAY78796 standard; protein; 653 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New nucleic acid encoding a tumor diagnosis, monitoring progress or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 6; Fig 20; 120pp; English.
                    70.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99WO-US014482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98US-0090747P
Query Match
Query Match
Best Local Similarity 66.7°,
6; Conservative
                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                          389 AKGTYTFDI 397
                                                                                                              2 ARGSYAFDI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-170903/15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chen H, Bissell M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CHEN/) CHEN H.
(BISS/) BISSELL M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB; AAZ90113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 653 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200000503-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                         19-MAY-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-JAN-2000.
                                                                                                                                                                                                                                                                                                             AAY78796;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                            RESULT 24
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AAY778196

AAY778796

AAY7 AAY7

XX AA
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The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain caction (PCR) primers, oligomers, and for chromsome and gene mapping, and in recombinant production of [II]. The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed consists of (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a colypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (II) and its binding partners are useful for treating disorders of sites expressing (II). (II) are useful for treating disorders of supplement protein expression or biological activity. The polypeptide and polynucleotide sequences have applications in disorders, forensics, gene mapping, identification of mutations and to produce other types of data and products dependent on DNA and and can appear in the printed special sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPD at the printed specification, but was obtained in the will produce the produce of the sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                   Human, chromosome mapping, gene mapping, gene therapy, forensic, food supplement, medical imaging, diagnostic, genetic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 20; SEQ ID NO 41591; 103pp; English.
                                                                           Novel human diagnostic protein #11223.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-MAR-2001; 2001WO-US008631.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31-MAR-2000; 2000US-00540217.
23-AUG-2000; 2000US-00649167.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tang YT;
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-639362/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Drmanac RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
les 6, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 ARGSYAFDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N-PSDB; AAS75419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 653 AA;
                                                                                                                                                                                                                                                                                                                                          WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
Matches
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Gaps

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Best Local Similarity 66.7 Matches 6, Conservative

ò 셤 Vaccine, urinary tract infection; bacteraemia; endocarditis; wound; abdominal-pelvic infection.

Enterococcus faecium.

US6583275-B1

24-JUN-2003.

E. faecium protein sequence SEQ ID 7065.

(first entry)

01-JAN-2004

ADC97438 standard; protein; 796 AA.

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The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed in diagnostics as expressed sequence therapy techniques to rescore normal cactivity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a colypoptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful for treating disorders of sites expressing (II). (I) and (II) are useful for treating disorders of sites expressing (II). (I) and (II) are useful for treating disorders of sites expressing (II). (I) and (II) are useful for treating disorders of sites involving aberrant protein expression or biological activity. The captures to polypeptide and polymucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations of any produce other types of data and products dependent on DNA and and confidence other types of the invention. Note: The sequence data for this patent did not appear in the printed specification, but was obtained in celectronic format directly from Wilp out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                   Human, chromosome mapping, gene mapping, gene therapy, forensic;
food supplement, medical imaging, diagnostic, genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 750;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    70.6%; Score 36; DB 4; Length 750
66.7%; Pred. No. 1.8e+02;
ive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 20; SEQ ID NO 52926; 103pp; English.
                                                                                                                                                            Novel human diagnostic protein #22558
                                         ABG22567 standard; protein; 750 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tang YT;
                                                                                                                                                                                                                                                                                                                                                                                 30-MAR-2001; 2001WO-US008631
                                                                                                                                                                                                                                                                                                                                                                                                                    31-MAR-2000; 2000US-00540217
23-AUG-2000; 2000US-00649167
                                                                                                                     (first entry)
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Best Local Similarity 60...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-639362/73.
N-PSDB; AAS86754.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Drmanac RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 750 AA;
                                                                                                                                                                                                                                                                                                   WO200175067-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              biodiversity.
                                                                                                                     18-FEB-2002
                                                                                                                                                                                                                                                              Ното варіепв
                                                                                                                                                                                                                                                                                                                                          11-OCT-2001
                                                                                ABG22567;
RESULT 26
                      ABG22567
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New isolated nucleic acid derived from Enterococcus faecium encoding a Enterococcus faecium polypeptide useful for detection, prevention and treatment of a pathological condition resulting from a bacterial

(GENO-) GENOME THERAPEUTICS CORP.

Bush D;

WPI; 2003-799836/75. Doucette-Stamm LA,

N-PSDB; ADC93784.

97US-0051571P. 98US-0085598P. 98US-00107532.

30-JUN-1998; 02-JUL-1997; 14-MAY-1998; Example 1; SEQ ID NO 7065; 243pp; English.

infection.

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Enterococcus facetum encoding an Enterococcus facetum polypepting

Charles and the companies of the companies of the composition of the disclosed of the composition of the disclosed E. faccium proteins. The present sequence represents the disclosed E. faccium proteins. The present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to an isolated nucleic acid derived from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         70.6%; Score 36; DB 7; Length 796; 50.0%; Pred. No. 2e+02; ive 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABM65129 standard; protein; 835 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-OCT-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5; Conservative
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732 EAKGDFSFDV 741
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 796 AA;
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Gaps

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|:|:| ||| 151 AKGTYTFDI 159 2 ARGSYAFDI 10

RESULT 27 ADC97438

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Novel nucleic acids and polypeptides, useful for treating disorders such as central nervous system injuries.
                                                                                                                 Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer;
                                                                                                                                peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's, Parkinson's disease; hacenostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemotactic; thrombolytic; drug screening; arthritis; inflammation;
                                                                        Human polypeptide SEQ ID NO 5395.
                                                                                                                                                                                                                                                                                                                                                      26-DEC-2000; 2000WO-US034263
                                        22-OCT-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-442253/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HYSE-) HYSEQ INC.
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                                                                                                                                                                                                                                                                               WO200153312-A1.
                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                              21-JAN-2000;
25-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                         23-DEC-1999;
                                                                                                                                                                                                                                                                                                                    26-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -OCT-2000
                                                                                                                                                                                                           leukaemia.
     AAM40464;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rang YT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wang J,
Zhou P,
   The invention features to an isolated polynucleotide (AFC6442).

Conciding a Propionibacterium acnes protein. The invention also relates to polypeptides encoded by the polynucleotides (ABM35624-ABM64536) and to immunogenic fragments of P. acnes polypeptides. The invention additionally encompasses expression vectors and host cells comprising a additionally encompasses expression vectors and host cells comprising a comprising a polypeptide of the invention; antibodies against polypeptides of the invention; antibodies against polypeptides of the invention; an immune response specific for a P. acnes completed of a vaccine composition (comprising P. acnes polypeptides, polypeptides, autibodies, fusion proteins, T cell populations, or antigen-presenting cells that express the polypeptide); a method and kit for detecting or determining the presence or absence of P. acnes in a cartificat, and a method for inhibiting the development of P. acnes in a patient. The P. acnes polypeptides, preventing cells that express the polypeptides are useful for adagnosing, preventing cells that express the polypeptides are useful for dagnosing, preventing cells that express the polypeptides are useful for dagnosing, preventing or treating acne completed or an immune response specific for a P. acnes contains, or for stimulating an immune response specific for a P. acnes contains, or for stimulating an immune response specific for a P. acnes contains an immune response against P. acnes, or for treating acnes and the kit is useful for performing a diagnostic assay. The present contains an immunogenic region. Note: The sequence data for thought to contain an immunogenic region. Note: The sequence data for the contain an immunogenic region. Note: The sequence data for the contain an immunogenic region of the printed specification, but was for the contain an immunoferic format directly from WIPO at form part of the printed specification, but was for the contain an immunofer form part of the printed specific security for the contain an immuno
                                                                                                                                                                                                                                                                                                                                                                                                                                           New Propionibacterium acnes polypeptides and polynucleotides encoding the polypeptide, useful for diagnosing, preventing or treating acne vulgaris, or for stimulating an immune response specific for a P. acnes protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention relates to an isolated polynucleotide (ACF64435-ACF64733)
                                                                                                                                                                                                                                                                                                                                   Maisonneuve JL;
Jones R, Carter D;
                                                     Acne vulgaris; antiseborrhoeic; dermatological; antibacterial; immunostimulant; immune response; vaccine; immunogenic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 36; DB 6; Length 835; Pred. No. 2.1e+02; 3; Mismatches 1; Indels
                     Propionibacterium acnes immunogenic polypeptide #29805
                                                                                                                                                                                                                                                                                                                                 Persing DH, Bhatia A, Lodes MJ, Benson DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 7; SEQ ID NO 29805; 1481pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            obtained in electronic format directly fi
ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                   Persing DH,
                                                                                                                                                                                                                                                                                                                                                    Zhang Y, Wang S, Jen S, Lode
Barth B, Vallieve-Douglass J;
                                                                                                                                                                                                                        11-OCT-2002; 2002WO-US032727.
                                                                                                                                                                                                                                                          15-OCT-2001; 2001US-00978825.
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                                                                                                                                                                                                                                                                                                                                 Mitcham JL, Skeiky YAW,
                                                                                                           Propionibacterium acnes.
                                                                                                                                                                                                                                                                                               (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-381789/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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                                                                                                                                               WO2003033515-A1
                                                                                                                                                                                    24-APR-2003
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Wang D; Zhao QA;

Ren F, Wa Zhang J,

Qian XB, Yang Y,

Ma Y, Xue AJ,

indi V, Chen R, irman T, Xu C, Y Drmanac RT;

Liu C, Asundi V,

Goodrich R,

Wang

990S-00471275. 2000US-00488725. 2000US-00553117. 2000US-00598042. 2000US-00620312.

2000US-00653450. 2000US-00662191. 2000US-00693036.

2000US-00727344

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encoded polypeptides (AAM)8642-AAM42213) with nootropic,
concoded polypeptides (AAM)8642-AAM42213) with nootropic,
concoded polypeptides (AAM)8642-AAM42213) with nootropic,
concoded polypeptides (AAM)8642-AAM42213) with nootropic,
concompanies and cytostatic activity. The polymucleotides are useful
concorrection may be used to treat diseases of the peripheral nervous
concorrection may be used to treat diseases of the peripheral nervous
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concorrection may be used to the printed specification
concorrection.
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                                                                         The invention relates to human nucleic acids (AAI57798-AAI61369) and the
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Example 2; SEQ ID NO 5395; 10078pp; English.
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AKGTYTFDI
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Gaps

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6; Conservative

Matches

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749

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RESULT 29 AAM40464 ID AAM4 XX

AAM40464 standard; protein; 865 AA.

RESULT 31

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The invention relates to human nucleic acids (AAIS7798-AAI61369) and the encoded polypeptides (AAM38642-AAM42213) with nootropic, immunosuppressant and cytodratic activity. The polymucleotides are useful in gene therapy. A composition containing a polypeptide or polymucleotide of the invention may be used to treat diseases of the peripheral nervous spatem, such as peripheral nervous injuries, peripheral nervous as spatem, such as larged central nervous system disease, such as lazheimer's, Parkinson's disease, Huntington's disease, amyotrophic localised neuropathies and Central nervous system disease, such as alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the ctivinisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotexic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C.N.S disorders. Note: The sequence data for this patent did not form part of the printed specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel nucleic acids and polypeptides, useful for treating disorders such as central nervous system injuries.
                                                                                                                                                             Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Humenerase; hamostatic; amyotrophic lateral sclerosis; Shy-brager Syndrome; chemotactic; chrombolytic; drug screening; arthritis; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ren F, War
Zhang J, '
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Yang Y,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 2; SEQ ID NO 5396; 10078pp; English.
               AAM40465 standard; protein; 865 AA
                                                                                                                            Human polypeptide SEQ ID NO 5396.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-JUL-2000; 2000US-00620312.
03-MUG-2000; 2000US-00653450.
14-SEP-2000; 2000US-00653191.
19-OCT-2000; 2000US-00693036.
29-NOV-2000; 2000US-00727344.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-JAN-2000; 2000US-0048B725
25-APR-2000; 2000US-00552317
20-JUN-2000; 2000US-00598042
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-00471275
                                                                                         (first entry)
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N-PSDB; AAIS9621.
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                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                       22-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                               23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                         26-JUL-2001
                                                                                                                                                                                                                                                            leukaemia.
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                                                  AAM40465;
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Zhou P,
AAM40465
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The invention relates to human nucleic acids (AAI57798-AAI61369) and the encoded polypeptides (AAM38642-AAM42213) with nootropic, concoded polypeptides (AAM38642-AAM42213) with nootropic, immunosuppressant and cytostatic activity. The polymuclectides are useful in gene therapy. A composition containing a polypeptide or polymucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral nervopathy and localised neuropathise and central nervous system disease, such as Alzheimer's, parkinson's disease, funtington's disease, amyotrophic C lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activity. Amorpactic/Chemokinetic activity, haemostatic C and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C. N.S disorders. Note: The sequence data for this patent did not form
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Zhao QA;
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                                                                                                                                                                                                                                                             Human, nootropic, immunosuppressant, cytostatic, gene therapy, cancer, peripheral nervous system, neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic, amyotrophic lateral sclerosls; Shy-Drager Syndrome; chemotactic; chrombolytic, drug screening; arthritis; inflammation;
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Zhang J,
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Yang Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Liu C, Asundi V, Chen R, Ma Y, Wang Z, Wehrman T, Xu C, Xue AJ, Goodrich R, Drmanac RT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          as central nervous system injuries.
                               AAM40466 standard; protein; 865 AA
                                                                                                                                                                                                           Human polypeptide SEQ ID NO 5397.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-JUN-2000; 2000US-JUN-2000; 2000US-JUN-2000US-JUN-2000; 2000US-JUN-2000;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2000US-00488725.
2000US-00552317.
2000US-00598042.
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Similarity 66.7%;
6; Conservative 2
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                                                                                                                                                  (first entry)
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Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-JUN-2000;
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25-APR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                               leukaemia.
                                                                                       AAM40466;
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Zhou P,
AAM40466
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Wang D; Zhao QA;

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Gaps

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70.6%; Score 36; DB 4; Length 865; 66.7%; Pred. No. 2.2e+02; ive 2; Mismatches 1; Indels

Local Similarity 66.7 tes 6; Conservative

Query Match Best Loc Matches

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(i) a vector comprising a promoter operably linked to the nucleic acid encoding a polypeptide whose expression is inhibited by the antisense nucleic acid; (2) a host cell containing the vector; (3) an isolated or polypeptide or its fragment whose expression is inhibited by the antisense antisense nucleic acid; (4) an antibody capable of specifically binding the polypeptide; (5) producing the polypeptide; (6) inhibiting callular proliferation or the activity of a gene in an operon required for proliferation; (7) identifying a compound that influences the activity of the gene product or that has an activity against a biological pathway required for that has an activity against a biological pathway in which a proliferation-required gene or its gene product lies or a gene on which the test compound that inhibits proliferation of an compound's activity; (11) a culture comprising strains in which the gene product is overexpressed or underexpressed; (12) determining the extent compound's activity; (11) a culture comprising strains in which the strains is present in a culture or collection of strains; or (13) identifying the target of a compound that inhibits the compound collection of strains; or (13) identifying the target of a compound that inhibits constituted for broliferation of an organism. The antisense nucleic acids are useful for identifying proteins or screening for homologous nucleic acids required for callular proliferation of an organism. The antisense modeled acids required for callular proliferation of an organism. The antisense modeled acids are useful for content and alsoovery programs. Or for screening or antideted modeled acids are useful for content and acids are useful for several acids are useful for content and acids are useful for several acids are useful for screening acroances are acids are useful acroances.
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                                                                                                                                                                                                                                                                                                                                                        Antisense; prokaryotic essential gene; cell proliferation; drug design.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated nucleic acid comprising any one of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Zyskind JW;
Xu HH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense nucleic acids, useful for identifying proteins or s
for homologous nucleic acids required for cellular proliferation
isolate candidate molecules for rational drug discovery programs.
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Forsyth RA,
                                                                                                                                                                                                                                                                                                            Protein encoded by Prokaryotic essential gene #3830.
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Yamamoto R,
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                                                                                                                                                               ABU18303 standard; protein; 890 AA.
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Carr GJ,
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25-OCT-2001; 2001US-0342923P.
08-FEB-2002; 2002US-00072851.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2001US-00815242
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                                                                                                                                                                                                                                                             (first entry)
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                                              277 AKGTYTFDÍ 285
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Trawick JD,
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ARGSYAFDI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200277183-A2.
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Wall
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I, Zhao QA;
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patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-brager Syndrome; chemotactic; chrombolytic; drug screening; arthritis; inflammation;
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Zhang J,
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                                                                                                                                                                Length 890;
                                                                                                                                                                                                                1; Indels
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Yang Y,
                                                                                                                                                                                    . 2.2e+02;
                                                                                                                                                           Score 36; DB 6;
Pred. No. 2.2e+02
1; Mismatches
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Xue AJ,
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21-JAN-2000; 2000US-0048725.
25-APR-2000; 2000US-0052317.
20-JUN-2000; 2000US-00598942.
                                                                                                                                                           70.6%;
77.8%;
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14-SEP-2000; 2000US-00662191.
19-OCT-2000; 2000US-00693036.
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19-OCT-2000; 2000US-00693036
29-NOV-2000; 2000US-00727344
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                                                                                                                                                                                    Best Local Similarity 77.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                      341 ENRGSYAFN 349
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                                                                                                            Sequence 890 AA;
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J,
                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tang
                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 33
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ocalised neuropathies and central nervous system diseases,

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wang D;
, Zhao QA;
utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C.N.S disorders. Note: The sequence data for this patent did not form part of the printed specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleic acids and polypeptides, useful for treating disorders such
                                                                                                                                                                                                                                                                                                                                                                                                            Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Sny-Drager Syndrome; chemotactic; chrombolytic; drug screening; arthritis; inflammation;
                                                                                                                                                               Gaps
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Zhang J,
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                                                                                                                                 70.6%; Score 36; DB 4; Length 966; 66.7%; Pred. No. 2.4e+02; ive 2; Mismatches 1; Indels
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Yang Y,
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                                                                                                                                                                                                                                                                                              AAM38678 standard; protein; 1013 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             central nervous system injuries.
                                                                                                                                                                                                                                                                                                                                                                                  Human polypeptide SEQ ID NO 1823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; 2000US-0048B725.
; 2000US-00552317.
; 2000US-00598042.
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2000US-00662191.
2000US-00693036.
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                                                                                                                                                               Conservative
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AKGTYTFDI
                                                                                                                                               Local Similarity
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                                                                                                       Sequence 966 AA;
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25-APR-2000;
20-JUN-2000;
19-JUL-2000;
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14-SEP-2000;
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29-NOV-2000;
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                                                                                                                                   Query Match
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Zhou P,
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Matches
                                                                                                                                                                                                                                                                RESULT 34
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Zhao QA;
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         Alzheimer's, Parkinson's disease, Huntington's disease, amyorrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetta activity, haemostatic and thrombolytic activity, cancer disgnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C.N.S disorders. Note: The sequence data for this patent did not form part of the printed specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel nucleic acids and polypeptides, useful for treating disorders such as central nervous system injuries.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosls; Shy-Drager Syndrome; chemotactic; chrombolytic; drug screening; arthritis; inflammation;
                                                                                                                                                                                                               Gaps
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                                                                                                                                                                              Score 36; DB 4; Length 1013;
Pred. No. 2.6e+02;
2; Mismatches 1; Indels
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Yang Y,
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Xue AJ,
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Irman T, Xu C, X
Drmanac RT;
                                                                                                                                                                                                                                                                                                                                                     AAM38680 standard; protein; 1025 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Human polypeptide SEQ ID NO 1825.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-DEC-1999; 99US-00471275.
21-JAN-2000; 2000US-0048925.
25-APR-2000; 2000US-0052317.
20-JUN-2000; 2000US-00598042.
19-JUL-2000; 2000US-00520312.
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Wang Z, Wehrman T,
Goodrich R, Drmanac
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66.7%;
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14-SEP-2000; 2000US-00662191.
19-OCT-2000; 2000US-00693036.
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                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                          434
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                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                               2 ARGSYAFDI
                                                                                                                                                                                                                                                                          426 AKGTYTFDI
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                                                                                                                                                     Sequence 1013 AA;
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Wang J, V
Zhou P, C
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AAM38680
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in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral nervous flocalised neuropathies and central nervous system disease, such as Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C.N.S disorders. Note: The sequence data for this patent did not form part of the printed specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         psoriasis; allergy; lupus erythematosus; asthma; cancer; inflammatory bowel disease; rheumatoid arthritis; osteoarthritis; colon cancer; lung cancer; liver cancer; breast cancer; ovarian cancer; prostate cancer; ovarian cancer; prostate cancer; brain cancer; melanoma; liver disease; liver cirrhosis; lung disease; emphysema; obstructive pulmonary disease; haemophilia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Li L, Anderson DW, Zhong M;
Berghs C, Rothenberg ME, Guo X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; NOV; gene therapy; endocrine related disease; diabetes; metabolism-related disease; obseity; central nervous system disorder; Alzheimer's disease; Parkinson's disease; epilepsy; multiple sclerosis; schizophrenia; depression; autoimmune disorder; inflammatory disorder;
                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                70.6%; Score 36; DB 4; Length 1025; 66.7%; Pred. No. 2.6e+02; ive 2; Mismatches 1; Indels
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Ellerman K,
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17-SEP-2001; 2001US-032265F.
17-SEP-2001; 2001US-0322816P.
17-SEP-2001; 2001US-0322816P.
17-SEP-2001; 2001US-0323817P.
19-SEP-2001; 2001US-033313P.
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25-SEP-2001; 2001US-0324969P.
25-SEP-2001; 2001US-0325091P.
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2002US-00236177.
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Vernet CAM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                    Local Similarity 66.7
hes 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human protein #83.
                                                                                                                                                                                                                                                                                                                                                                          426 AKGTYTFDI 434
                                                                                                                                                                                                                                                                                                                                       2 ARGSYAFDI 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  stroke; infection
                                                                                                                                                                                                                                   Sequence 1025 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-SEP-2001;
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Gerlach VL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO14710;
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The invention describes a new isolated polypeptide (NOVX). The NOVX polypeptide, nucleic acid and antibody are useful as therapeutics, polypeptide, nucleic acid and antibody are useful as therapeutics, particularly in the manufacture of a medicament for treating a syndrome associated with a human disease, which includes a pathology associated with NOVX polypeptide. The DNA encoding the protein is useful in gene therapy for treating the disease or condition. In particular, the NOVX polypeptide or polymucleotide is useful for treating endocrine/ metabolism-related disease (e.g. obesity or diabetes), central nervous system disorders (e.g. Alzheimer's disease, Parkinson's disease, cepting and inflammatory disorders (e.g. posciasis, allowed), autoimmune and inflammatory bowel disease, rheumatoid arthritis or asthma, inflammatory bowel disease, rheumatoid arthritis or osteoarthritis), cancers (e.g. colon, lung, liver, breast, ovarian, contecative or melanoma), liver diseases (e.g. liver, prostate or brain cancers, or melanoma), liver diseases (e.g. liver, cirrhosis), lung diseases (emphyemma or obstructive pulmonary disease), haemophilia, stroke, or infections (e.g. viral, bacterial or parasitic). These are also useful in develophing powerful assay system for functional analysis of various human disorders, as mell as in diagnostic analysis of various human disorders, as novel human NOV protein trials. This is the amino acid sequence of a novel human NOV protein
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Catterton E, Kekuda R, Ji W, Miller CE;
Shenoy SG, Liu X, Padigaru M, Alsobrook JP;
Burgess CE;
                                                                                                                                New cytoplasmic, nuclear membrane bound or secreted polypeptides (NOVX) and polynucleotides, useful in gene therapy, e.g. for treating or preventing obesity, multiple sclerosis, allergy, cancers, hemophilia,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADX07286 standard; protein; 1026 AA.
                                                                                                                                                                                                                            Claim 1; Page 267; 586pp; English
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 AD,
RJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          417
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                   Taupier |
Edinger
                                                                          WPI; 2003-313242/30.
N-PSDB; ACD19403.
   Leach
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Best Local Similarity
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 Shimkets RA,
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                   Rieger DK,
Lepley DM,
                                                                                                                                                                                           stroke or
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whether a mammal will respond or is responding to an anti-cancer agent that modulates cyclin-dependent kinase (cdk) activity. The method comparises measuring the level of one or more blomarkers selected from comparises measuring the level of one or more blomarkers selected from comparises measuring the level of one or more blomarkers selected from comparises measuring the level of one or more blomarkers selected from comparises measuring the level of one to predicting whether patient would be susceptible or resistant to treatment by an agent modulating cdk activity. The invention also describes a method for utilizing individualized genetic profiles for treating diseases and disorders based on patient's response and molecular level, specialized microarrays comprising the biomarkers described, antibodies directed against the biomarkers and cell culture model to identify biomarkers. The cdk modulator is preferably N-5-[5-(1,1-bimethylethyl)-2-cazolylmethyl] hinol-2-thiazolyl-4-piperidine carboxamide, 0.5-therefore sections and preference data for this patent did not form partectly from WIPO at Etp.wipo.int/pubblished pot sequences. This sequence represents a biomarker used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                  Biomarkers useful for predicting or determining the response of a mammal to a cancer treatment comprising administration of a modulator of cyclindependent kinase activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                              This invention describes a novel method of predicting or determining
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gynecology and obstetrics; neoplasm; prognosis; tumor marker; DNA library; microarray; expression; TACC2; transforming acidic coiled-coil 2; taxin 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tagett R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       70.6%; Score 36; DB 9; Length 1026; 66.7%; Pred. No. 2.6e+02; ive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Debono S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Breast tumor; breast disease; endocrine disease;
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(INRM ) INSERM INST NAT SANTE & RECH MEDICALE.
(PAOL-) INST PAOLI CALMETTES.
                                                                                                           Claim 5; SEQ ID NO 1851; 141pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Jacquemier J, Bertucci F, Birnbaum D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AEB87755 standard; protein; 1026 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human TACC2, breast tumor marker.
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14-JAN-2005; 2005US-00036298
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Best Local Similarity
6; Conserve
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1026 AA;
N-PSDB; ADX07285
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Correting expression associated with histopathological features of breast disease, in particular breast tunder, e.g. breast carcinomas, compitaing disease, in particular breast tunder, e.g. breast carcinomas, compitaing disease, in particular breast tunder, e.g. breast carcinomas, compitaing detecting the overexpression or underexpression of a pool of protein set comprising; affadin, aurora A, alpha-catenin, beta-catenin, EGL3, cyclin, D1, cyclin B, cytokeratin 56, cytokeratin 56, cytokeratin 56, cytokeratin 56, cytokeratin 56, cytokeratin 56, cytokeratin 57, cytokeratin 58, cytokera
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differential protein expression associated with histopathologic
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                     features of breast disease, comprises detecting overexpression or
underexpression of pool of proteins having Afadin, Aurora A, in breast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                         present invention provides a method for analyzing differential
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                                                                                                               Disclosure; SEQ ID NO 25; 87pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AB014709 standard; protein; 1057 AA.
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                                                                    tissues or cells.
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ABO14709
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21

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Gaps

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Indels

Pred. No. 2.7e+02;

66.78;

Local Similarity

Best Loc Matches

Conservative

417

|:|:| ||| 409 AKGTYTFDI

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2 ARGSYAFDI

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The invention describes a new isolated polypeptide (NOVX). The NOVX polypeptide, nucleic acid and antibody are useful as therapeutics, particularly in the manufacture of a medicament for treating a syndrome sasociated with a human disease, which includes a pathology associated with a human disease, which includes a pathology associated with NOVX polypeptide. The DNA encoding the protein is useful in gene therapy for treating the disease or condition. In particular, the NOVX polypeptide or polymucleotide is useful for treating endocrine/ metabolism-related disease (e.g. obseity or disbetes), central nervous system disorders (e.g. Alzheimer's disease, Parkinson's disease, epilepsy, multiple sclerosis, schizophrenia or depression), autoimmune and inflammatory bowel disease, theumatoid arthritis or asthma, inflammatory bowel disease, theumatoid arthritis or osteoarthritis), cancers (e.g. psoriasis, allergy, lupus erythematosus, asthma, inflammatory bowel disease, theumatoid arthritis or osteoarthritis), cancers (e.g. colon, lung, liver, breast, ovarian, prostate or brain cancers, or melanoma,) liver diseases (e.g. liver, cirrhosis), lung diseases (emphyeema or obstructive pulmonary disease), haemophilia, stroke, or infections (e.g. viral, bacterial or parasitic). These also useful in develophing powerful assay system for functional analysis of various human disorders, as well as in diagnostic applications, and for monitoring the effects of drugs during clinical trials. This is the amino acid sequence of a novel human NOV protein
psoriasis; allergy, lupus erythematosus; asthma; cancer; inflammatory bowel disease; rheumatoid arthritis; osteoarthritis; ootoor cancer; lung cancer; liver cancer; breast cancer; ovarian cancer; prostate cancer; brain cancer; melanoma; liver disease; liver cirrhosis; lung disease; emphysema; obstructive pulmonary disease; haemophilia; stroke; infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , Gorman L, Li L, Anderson DW, Zhong M;
Ellerman K, Berghs C, Rothenberg ME, Guo X,
Catterton E, Kekuda R, Ji W, Miller CE;
Shenoy SG, Liu X, Padigaru M, Alsobrook JP;
Burgess CE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New cytoplasmic, nuclear membrane bound or secreted polypeptides (NOVX) and polynucleotides, useful in gene therapy, e.g. for treating or preventing obesity, multiple sclerosis, allergy, cancers, hemophilia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 266; 586pp; English
                                                                                                                                                                                                                                                                                                                                2001US-0318130P.
2001US-0318430P.
2001US-0322636P.
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2001US-0322816P.
2001US-0322817P.
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2001US-0323636P.
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2001US-0324990P.
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Shimkets RA, Leach MD,
Rieger DK, Taupier RJ,
Lepley DM, Edinger SR,
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N-PSDB; ACD19402.
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                                                                                                                                                                                                                                                                                                                                                                                                           17-SEP-2001;
17-SEP-2001;
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                                                                                                                                                                                                                              20-MAR-2003
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Guo X;

New nucleic acid encoding a tumor suppressor or marker, used for diagnosis, monitoring progress or treatment, and gene therapy of breast

WPI; 2000-170903/15 Chen H, Bissell M;

N-PSDB; AAZ90112

cancer.

(BISS/) BISSELL M.

(CHEN/) CHEN

Antizuai-2; AZ-2; human; breast cancer; malignancy progression marker; malignancy reversion; tumour suppressor.

99WO-US014482.

25-JUN-1999; 26-JUN-1998;

06-JAN-2000.

WO200000503-A1.

Homo sapiens

Human antizuai-2 (AZ-2) amino acid sequence.

(first entry)

19-MAY-2000

AAY78795;

AAY78795 standard; protein; 1219 AA.

RESULT 40

AAY78795

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence represents the human antizuai-2 (AZ-2) amino acid sequence. The AZ-2 gene is a variant of the antizuai-1 (AZ-1) gene (see AAZ90111). The AZ-1 gene is located on chromosome loq26, and encodes a protein that acts as a tumour suppressor or marker of malignancy progression or reversion. The AZ-1 protein and its variants are tumour suppressors, AZ-1 interacts with E-cadherin and beta-catenin. Detecting low levels of AZ-1 nucleotide or amino acid sequences are used to diagnose a breast cell malignancy, also for monitoring disease progression, particularly assessment of therapeutic efficacy. The nucleotide sequence is used in in vivo or ex vivo gene therapy, and AZ-1 polypeptides are used for treating or preventing breast cancer. AZ-1 polypeptides are also used to raise specific antibodies, for diagnostic detection of AZ-1. Fragments of the AZ-1 nucleotide sequence are useful as probes or primers for detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 6; Page 69-72; 120pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    expression of the AZ-1 gene
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Job time : 60.8966 secs
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Length 1057;

DB 6;

Score 36;

70.68;

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Title: Perfect score:

Sequence:

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protein

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Scoring table:

Searched:

Database

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Sequence 275, Appl
Sequence 15686, A
Sequence 14087, A
Sequence 14087, A
Sequence 3971, Ap
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US-08-289-548A-2
US-08-452-658B-2
US-08-452-655B-7
US-08-450-658B-7
US-08-450-682-7
US-08-450-682-7
US-08-449-731-2
US-08-449-731-15
US-08-681-219A-30
US-08-681-219A-30
US-08-449-731-15
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US-08-441-733-15
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US-08-441-733-13
US-08-441-733-183
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US-08-764-100-27
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US-08-821-355A-7
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Sequence 7, Appli
Sequence 12914, A
Sequence 3, Appli
Sequence 6, Appli
Sequence 6777, Ap
Sequence 10870, A
Sequence 164, Appl
Sequence 164, Appl
Sequence 164, Appl
Sequence 164, Appl
Sequence 164, Appl
Sequence 164, Appl
Sequence 164, Appl
Sequence 164, Appl
Sequence 2011, Appl
Sequence 2011, Appl
Sequence 2011, Appl
Sequence 25, Appli
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Copyright (c) 1993 - 2005 Compugen Ltd.
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US-09-344-624-4
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US-08-464-134-164
US-08-464-134-164
US-08-464-134-164
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US-08-638-911A-31
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                                                                                                                                                                                                                     572060 segs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUMMARIES
                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
                                                                                   2005, 07:19:38
                                                           protein search, using sw model
                                                                                                                                                                                BLOSUM62
Gapop 10.0 , Gapext 0.5
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                                                                                                                                                                                                                                                                  Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                          Patents
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                                                                                                                               US-10-720-323-3
51
                                                                                                                                                          EARGSYAFDI 10
                                                                                  December 14,
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653
796
1026
1034
1219
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Match
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Score

Result No.

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EARLIER APPLICATION NUMBER: 60/090,747
EARLIER FILING DATE: 1998-06-26
NUMBER OF SEQ ID NOS: 29
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 7
LENGTH: 107
CURRENT FILING DATE: 1999-06-25
                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                          US-09-344-624-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-344-624-3
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Patent No. 6562958

GENERAL INPORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: NUMBER: US/09/328,352

TITLE REFERENCE: GTC99-03P8

CURRENT APPLICATION NUMBER: US/09/328,352

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 5219

LENGTH: 379
                                                                                                                         Sequence 2, Application US/09573630A

Sequence 2, Application US/09573630A

Patent No. 6713062

GENERAL INFORMATION:

APPLICANT: MERCHANT, JUANITA L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS

TITLE OF INVENTION: COMPOSITIONS AND METHODS

FILE REPERBENCE: 4100.001700

CURRENT APPLICATION NUMBER: US/09/573,630A

CURRENT FILING DATE: 1999-05-17

PRIOR FILING DATE: 1999-05-17

NUMBER OF SEQ ID NOS: 6

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 2

LENGIH: 349

TYPE: PRT

CORANISM: Acinetobacter SP.
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; Sequence 7, Application US/09344624
; GENERAL INFORMATION:
; APPLICANT: Chen, Huei-Mei
; APPLICANT: Bissell, Mina
; TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE
; FILLE REPERBUCE: 2960-44 (HV)
; FILE REPERBUCE: 2960-44 (HV)
; CURRENT APPLICATION NUMBER: US/09/344,624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 38; DB 2; Length 349;
Pred. No. 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                      ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) ORGANISM: Acinetobacter baumannii
US-09-328-352-5219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             74.5%;
77.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 74.5
Best Local Similarity 77.6
Matches 7; Conservative
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169 EARGTYHFD 177
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193 EARGTYNFD 201
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US-09-328-352-5219
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US-09-344-624-7
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Facence 12914, Application US/09489039A

Sequence 12914, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:
PATENTION: Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

CURRENT PELING DATE: 2709.2004001

CURRENT FILING DATE: 1009-01-29

RUMBER OF SEQ ID NOS: 14342

SEQ ID NO 12914

LENGTH: 487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3, Application US/09344624

Patent No. 675154

GENERAL INFORMATION:

APPLICANT: Chen, Houel-Mei

APPLICANT: Chen, Houel-Mei

TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE

TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE

TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE

TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE

TITLE OF INVENTION: 1990-06-25

CURRENT APPLICATION NUMBER: 00/090,747

EARLIER FILING DATE: 1999-06-26

NUMBER OF SEQ ID NOS: 29

SOFTWARE: PATENTIN VOT. 2.0

SEQ ID NO 3

LENGTH: 571
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                                                          Gaps
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Pred. No. 44;
2; Mismatches 1; Indels
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Query Match 70.6%; Score 36; DB 2; Length 107; Best Local Similarity 66.7%; Pred. No. 8.1; Matches 6; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Klebsiella pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                70.6%;
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Best Local Similarity 66.7
Matches 6; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                  35 AKGTYTFDI 43
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US-09-489-039A-12914
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us-10-720-323-3.rai

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"Sequence 10870, Application US/09949016

Sequence 10870, Application US/09949016

Sequence 10870, Application US/09949016

Sequence 10870, Application US/09949016

GENERAL INFORMATION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUWAN DISEASE, METHODS OF DETECTION AND USES THEREOF

TITLE OF INVENTION: WITH HUWAN DISEASE, METHODS OF DETECTION AND USES THEREOF

CURRENT PILING DATE: 2000-04-14

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER: 60/237,768
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Pred. No. 1e+02;
                                                                                                                                                                                                                                                                                                                          Length 796;
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                                                                                                                                                                                                                                                                                                                      Query Match 70.6%; Score 36; DB 2; Best Local Similarity 50.0%; Pred. No. 76; Matches 5; Conservative 4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Mismatches
                                                                                                                                                                                                      NAME/KEY: misc_feature;
; LOCATION: (B) LOCATION 1...796;
; SEQUENCE DESCRIPTION: SEQ ID NO: 7065:
US-09-107-532A-7065
                                                                                                                                                                                 ORGANISM: Enterococcus faecium
  INFORMATION FOR SEQ ID NO: 7065:
SEQUENCE CHARACTERISTICS:
LENGTH: 796 amino acids
                                                                            TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 66.0
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732 EAKGDFSFDV 741
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409 AKGTYTFDI 417
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; ORGANISM: Human
US-09-949-016-6777
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US-09-949-016-6777
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US-09-107-532A-7065
; Sequence 7065, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; TELECANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
TITLE OF INVENTION: DITTLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
                                                                                                                                                ASQUENCE OF APPLICATION US/09344624

Sequence 6, Application US/09344624

Sequence 6, Application US/09344624

Sequence 6, Application US/09344624

Setent NO. 673154

APPLICANT: Bissell, Mina

TITLE OF INVENTION: PRODUCTS

TITLE OF INVENTION UNMERS: 06/090,747

SEALLIER APPLICATION UNMERS: 60/090,747

EARLIER FILLING DATE: 1998-06-26

NUMBER OF SEQ ID NOS: 29

SOFTWARE PATENTIN Vér. 2.0
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    Gaps
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    1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSES: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTE: 25.

ZIP: 02354
COMPUTE: READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTE: PC
OPERATING SYSTEM: <UNKnown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/01571
FILING DATE: July 2, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 36; DB
Pred. No. 61;
2; Mismatches
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 66.7
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 6
LENGTH: 653
TYPE: PRT
ORGANISM: Homo sapiens
                                       2 ARGSYAFDI 10
                                                              |:|:| |||
35 AKGTYTFDI 43
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66 AKGTYTFDI 74
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  Matches
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Indels

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2; Mismatches
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CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/389,886

FILING DATE: 15-FEB-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/357,509

FILING DATE: 16-DEC-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/329,729

FILING DATE: 26-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/34,271

FILING DATE: 03-NOV-1994

PRIOR APPLICATION NUMBER: US 08/265,558

FILING DATE: 03-AUG-1994

PRIOR APPLICATION NUMBER: US 08/265,558

FILING DATE: 03-AUG-1994

PRIOR APPLICATION NUMBER: US 08/265,558

FILING DATE: 03-AUG-1994

PRIOR APPLICATION NUMBER: US 08/265,543

FILING DATE: 20-MAY-1994

ATTORNEY APPLICATION NUMBER: US 08/265,543

FILING DATE: 20-MAY-1994

ATTORNEY APPLICATION NUMBER: US 08/265,543

FILING DATE: 20-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0860
INFORMATION FOR SEQ ID NO: 164:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acids
TYPE: amino acids
TOPOLOGY: line-
    6; Conservative
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                                             1 EARGSYAFD 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
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    Matches
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US-09-344-624-4
; Sequence 4, Application US/09344624
; Bequence 4, Application US/09344624
; Bequence 4, Application US/09344624
; BeneRal INFORMATION:
    APPLICANT: Chen, Huel-Mei
; APPLICANT: Bissell, Mina
; TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE
; TITLE OF INVENTION: HOWDER: US/09/344,624
; CURRENT APPLICATION NUMBER: US/09/344,624
; CURRENT PILING DATE: 1999-06-25
; EARLIER PILING DATE: 1999-06-26
; MUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1219
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                                                                                                                                                                                                                                              Length 1034;
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Pred. No. 1.2e+02;
2; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MAKOWSKI, Lee
APPLICANT: Hyman, Paul
APPLICANT: Hyman, Paul
APPLICANT: Williams, Mark
ITTLE OF INVENTION: STARED ASSEMBLY OF NANOSTRUCTURES
FILE REFERENCE: 8471-010-999
CURRENT FILION NUMBER: US/09/914,259
CURRENT FILION DATE: 2000-11-21
NUMBER OF SEQ ID NOS: 180
SEQ ID NO 23
LENGTH: 928
                                                                                                                                                                                                                                              70.6%; Score 36; DB 2;
66.7%; Pred. No. 1e+02;
iive 2; Mismatches
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: PREUSEQ for Windows Version 4.0
SEQ ID NO 10870
LENGTH: 1034
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 23, Application US/09914259; Patent No. 6495336; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Neurospora crassa
US-09-914-259-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                              Query Match
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                              |:|:| |||
417 AKGTYTFDI 425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |:|:| |||
683 AKGTYTFDI 691
                                                                                                                                                                                                                                                                                                                                     2 ARGSYAFDI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 ARGSYAFDI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                              , ORGANISM: Human
US-09-949-016-10870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
US-09-914-259-23
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66.7%; Score 34; DB 1; Length 117;
Sequence 164, Application US/08466033

Patent No. 5766840

GENERAL INFORMATION:
APPLICANT: Wages, John
APPLICANT: Young, LaVonne M.
APPLICANT: Young, LaVonne M.
APPLICANT: Linnen, Jeffrey M.
TITLE OF INVENTION: Hepatitis G Virus and Molecular
TITLE OF INVENTION: Hepatitis G Virus and Molecular
TITLE OF INVENTION: Cloning Thereof
NUMBER OF SEQUENCES: 277
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dellinger & Associates
STREET: 350 Cambridge Ave., Suite 250
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
GURRENT APPLICATION DATA:
APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4600-0201.36/G100P11
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Gaps
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      Query Match 66.7%; Score 34; DB 1; Length 117; Best Local Similarity 75.0%; Pred. No. 23; Matches 6; Conservative 1; Mismatches 1; Indels
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Sequence 164, Application US/08464134

Sequence 164, Application US/08464134

Patent No. 5849532

GENERAL INFORMATION:
APPLICANT: Wages, John
APPLICANT: Fry, Kirk E.
APPLICANT: Fry, Kirk E.
APPLICANT: Innen, Jeffrey M.
TITLE OF INVENTION: Hepatitis G Virus and Molecular TITLE OF INVENTION: Hepatitis G Virus and Molecular TITLE OF INVENTION: Cloning Thereof
NUMBER OF SEQUENCES: 277

NUMBER OF SEQUENCES: 277

SCHEET: 350 Cambridge Ave., Suite 250

CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:

CLASSIFICATION NUMBER: US/US/194,134
FILING DATE:

APPLICATION UNBER: US 08/389,886
FILING DATE: 15-FEB-1995
FILING DATE: 15-FEB-1995
FILING DATE: 16-DEC-1994
FILING DATE: 16-DEC-1994
FILING DATE: 26-OCT-1994
FILING DATE: 26-OCT-1994
FILING DATE: 26-OCT-1994
FILING DATE: 26-OCT-1994
FILING DATE: 23-NOV-1994
FILING DATE: 20-MAY-1994
FILING DATE: 20-MAY-1994
APPLICATION NUMBER: US 08/285,543
FILING DATE: 20-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Fablan, GATY R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: USA
ZIP: 94306
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/W-
CURPERM
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TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 164:
SEQUENCE CHARACTERISTICS:
LENGTH: 117 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 117 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: protein
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26 ARGAYLFD 33
                                                                                                                                               2 ARGSYAFD 9
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                                             Gaps
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US-08-444-733-164

i Sequence 164, Application US/08444733

i Patent No. 5824507

GENERAL INFORMATION:
APPLICANT: Kim, Jungsuh P.
APPLICANT: Young, LaVonne M.
APPLICANT: Fry, Kirk E.
APPLICANT: Fry, Kirk E.
APPLICANT: Fry, Kirk E.
APPLICANT: GInnen, Jeffrey M.
TITLE OF INVENTION: Cloning Thereof
NUMBER OF SEQUENCES: 277
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave., Suite 250
                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
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COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CUASSIFICATION NUMBER: US/08/44,733
FILING DATE: 1.5-FEB-1995
FILING DATE: 1.5-FEB-1995
FILING DATE: 1.5-FEB-1995
FILING DATE: 1.5-FEB-1995
FILING DATE: 1.5-FEB-1995
FILING DATE: 1.5-FEB-1994
FILING DATE: 2.5-NOV-1994
FILING DATE: 2.3-NOV-1994
FILING DATE: 0.3-NOV-1994
FILING DATE: 0.
Best Local Similarity 75.0%; Pred. No. 23;
Matches 6; Conservative 1; Mismatches
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; MOLECULE TYPE: protein
US-08-444-733-164
                                                                                                                                                                    26 ARGAYLFD 33
                                                                                                     2 ARGSYAFD 9
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ZIP: 94306
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STATE:
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                                                   Score 34; DB 1; Length 117; Pred. No. 23; 1; Mismatches 1; Indels
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APPLICANT: Kim, Jungsuh P.
APPLICANT: Young, LaVonne M.
APPLICANT: Young, LaVonne M.
APPLICANT: Young, LaVonne M.
APPLICANT: Linnen, Jeffrey M.
TITLE OF INVENTION: Cloning Thereof
NUMBER OF SEQUENCES: 277
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave., Suite 250
CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTAMER: BACENTIN Release #1.0, Version #1.25
SUSTAMER: PAPLICATION DATA:
APPLICATION NUMBER: US/08/485,910
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/389,886
FILING DATE: 15-FEB-1995
RRIOR APPLICATION NUMBER: US 08/357,509
FILING DATE: 16-DEC-1994
APPLICATION NUMBER: US 08/329,729
FILING DATE: 26-OCT-1994
APPLICATION NUMBER: US 08/344,271
FILING DATE: 23-NOV-1994
RRIOR APPLICATION NUMBER: US 08/344,271
FILING DATE: 03-AUG-1994
APPLICATION NUMBER: US 08/285,558
FILING DATE: 13-NOV-1994
FILING DATE: 13-NOV-1994
APPLICATION NUMBER: US 08/285,543
FILING DATE: US 08/
                                                                                                                                                                                                                                                                                                                              US-08-485-910-164
; Sequence 164, Application US/08485910
Patent No. 5874563
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 164:
SEQUENCE CHARACTERISTICS:
LENGTH: 117 amino acids
TYPE: amino acid
                                                      Query Match
Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                     26 ARGAYLFD 33
                                                                                                                                                                  2 ARGSYAFD 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
US-08-461-361-164
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                                                                                  Gaps
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                         66.7%; Score 34; DB 1; Length 117; 75.0%; Pred. No. 23; 1; Mismatches 1; Indels
                                                                               1; Indels
                                                                                                                                                                                                                                                                                                             FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/389,886

FILING DATE: 15-FEB-1995

PRIOR APPLICATION NUMBER: US 08/357,509

FILING DATE: 16-DEC-1994

PRIOR APPLICATION NUMBER: US 08/344,271

PRIOR APPLICATION NUMBER: US 08/344,271

PRIOR APPLICATION NUMBER: US 08/344,271

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/285,558

FILING DATE: 03-AUG-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/285,538

FILING DATE: 03-AUG-1994

PRIOR APPLICATION NUMBER: US 08/285,543

FILING DATE: 03-AUG-1994

PRIOR APPLICATION NUMBER: US 08/286,985

FILING DATE: 03-AUG-1994

PRIOR APPLICATION NUMBER: US 08/246,985

FILING DATE: 33-40-1994

ATTORNEY/AGENT INFORMATION:
TELEPHONE: FABIAN, GATY R.
REGESTRATION NUMBER: 33-40-980

TELEPHONE: (41E) 324-0860

TELEPHONE: (41E) 324-0960

INFORMATION FOR SEO ID NO: 164:
SEQUENTH: 177 amino acids

"NUMBER: Amino acids

LENGTH: 117 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFFWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,361
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TOPOLOGY: 1:-
                      Query Match
Best Local Similarity 75.0
Matches 6; Conservative
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                                                                                                                                                                                        26 ARGAYLFD 33
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US-08-461-361-164
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Pred. No. 48;
1; Mismatches 1; Indels
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Pred. No. 1.3e+02;
3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                      US-10-104-047-2011

Sequence 2011, Application US/10104047

Patent No. 694241

GENERAL INFORMATION:

APPLICANT: HELLX RESEARCH INSTITUTE

TITLE OF INVENTION: NO. 6943241e1 full length CDNA

FILE REPRENCE: H1-A0105

CURRENT APPLICATION NUMBER: US/10/104,047

CURRENT FILING DATE: 2002-03-25

PRIOR FILING DATE: 2002-03-25

NUMBER OF SEQ ID NOS: 4096

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2011

LENGTH: 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/638,911A
FILING DATE: 04/24/96
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                 66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  66.7%;
   (415) 324-0880
                  TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                       LENGTH: 232 amino acids TYPE: amino acid
                                                                                                                                                                               Query Match
Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                     ; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-638-911A-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                36 DAKGOYLFDL 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 EARGSYAFDI 10
                                                                                                                                                                                                                                                                                          148 ARGAYLFD 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
US-10-104-047-2011
                                                                                                                                                                                                                                                        2 ARGSYAFD 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 350 Camb
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           USA
   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-638-911A-25
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                                                                                                                                                                                                                                           Sequence 10264, Application US/09902540

Patent No. 683347

GENERAL INFORMATION:
APPLICANT: Gladman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Wiegand, Roger C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Wyxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15849)B

CURRENT APPLICATION NUMBER: US/09/902,540

PRIOR APPLICATION NUMBER: 60/217,883

PRIOR APPLICATION NUMBER: 60/217,883

SEQ ID NO 10264

LENGIFF: LENGIFF: 2000-07-10

NUMBER OF SEQ ID NOS: 16825

SEQ ID NO 10264
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                                                  Score 34; DB 1; Length 117;
Pred. No. 23;
1; Mismatches 1; Indels
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Pred. No. 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
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ZIP: 94306
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/638,911A
FILING DATE: 04/24/96
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: EVANS. SUBAN T.
REGISTRATION NUMBER: 38,443
REGISTRATION NUMBER: 4600-0124
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 313. Application US/08638911A
Fatent No. 5766916
GENERAL INFORMATION:
APPLICANT: Belaeyv, Alexander S.
APPLICANT: Chong, Susan M.
TITLE OF INVENTION: Hepatitis G Virus Protease
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Mismatches
                                                    66.7%;
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Best Local Similarity 50.0%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Myxococcus xanthus US-09-902-540-10264
                                                                                        6; Conservative
MOLECULE TYPE: protein
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                                                 Query Match
Best Local Similarity
Matches 6; Conserv
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     ; MOLECOLE IIFI
US-08-485-910-164
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US-08-638-911A-33
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Gaps

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Query Match
Best Local Similarity 75.0
Matches 6; Conservative
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                       US-08-638-911A-29
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                                                                                                                                                                                                                                                                                                          66.7%; Score 34; DB 1; Length 853; 75.0%; Pred. No. 2.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: CA
COUNTRY: USA
ZIP: 94306

ZIP: 94306

COMPUTER READABLE FORM:
MEDIUM TYPE: Plopyy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/638,911A
FILING DATE: 04/24/96
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
RECISTRATION NUMBER: 4600-0124
FELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0800
TELEFAX: (415) 324-0800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Belaeyv, Alexander S.
APPLICANT: Chong. Susan M.
ITLE OF INVENTION: Hepatitis G Virus Protease
NUMBER OF SEQUENCES: 56
CORRESCONDENCE ADDRESS:
ADDRESSEB: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                   1; Mismatches
                NAME: Evane, Susan T.
REGISTRATION NUMBER: 38 443
REFERENCE/DOCKET NUMBER: 4600-0124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0860
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 27, Application US/08638911A Patent No. 5766916
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                      LENGTH: 853 amino acide
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : 853 amino acids
amino acid
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Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                           Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: protein
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36 ARGAYLFD 43
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36 ARGAYLFD 43
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                                                                                                                                                                                                                                                                    US-08-638-911A-25
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US-08-638-911A-27
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SEQUENCES.

PREMEMORY STATEMENT OF THE SEQUENCES.

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                                                                                                          66.7%; Score 34; DB 1; Length 2842; 85.7%; Pred. No. 7.9e+02; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: JOSLYN, GEOFF
APPLICANT: KINZLER, KENNETH
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: NARAMTRA, YUSUKE
APPLICANT: THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
WUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       h 56.7%; Score 34; DB 1; Length 2842; Similarity 85.7%; Pred. No. 7.9e+02; 6; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/289,548A
FILING DATE: 12-AUG-1994
CLASSIFICATION NUMBER: 33.41
REGISTRATION NUMBER: 32.141
REFERENCE/DOCKET NUMBER: 32.141
REGISTRATION NUMBER: 32.141
REGISTRATION NUMBER: 32.141
REGISTRATION NUMBER: 32.141
REGISTRATION NUMBER: 32.141
RECOMMULCATION INFORMATION:
TELEPHONE: 202-508-9100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Banner & Allegretti, LTD STREET: 1001 G Street, NW CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                      Sequence 7, Application US/08289548A Patent No. 5648212 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: ALBERTSEN, HANS APPLICANT: CARLSON MARY APPLICANT: GRODEN, JOANNA APPLICANT: HEDGE, PHILLE J. APPLICANT: YOSLYN, GEOFF APPLICANT: KINZLER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELBERA: 202-508-929
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2842 amino acids
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
in MMEDIATE SOURCE:
CLONE: APC
US-08-289-548A-7
                                                                                                              Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein ORIGINAL SOURCE:
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Best Local Similarity
Matches 6; Conserva
                                                                                                                                                                                         3 RGSYAFD 9
                                                           ; CLONE: APC
US-07-741-940-7
                                                                                                                                                                                                                                                                                  RESULT 25
US-08-289-548A-7
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APPLICANT: THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
STREET: 1001 G Street, NW
                                                                                                                                                                                                                                                                                                    66.7%; Score 34; DB 1; Length 853; 75.0%; Pred. No. 2.1e+02; tive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:

NAME: Evans, Susan T.

REGISTRATION NUMBER: 38,443

REFERENCE/DOCKET NUMBER: 4600-0124

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 324-0860

TELEFRAX: (415) 324-0860

TELEFRAX: (415) 324-0860

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 853 amino acids

TYPE: amino acid

TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALBERTSEN, HANS
ANAND, RAKESH
CARLSON, MARY
GRODEN, JOANNA
HEDGE, PHILIP J.
JOSLIN, GEOFF
KINZLER, KENNETH
MARKHAM, ALEXANDER F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7, Application US/07741940
Patent No. 5352775
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: protein
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APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
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APPLICANT:
APPLICANT:
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3 RGSYAFD 9
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                                                                                                                                                                                                   GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
APPLICANT: GRODEN, JOANNA
APPLICANT: GRODEN, JOANNA
APPLICANT: GRODEN, JOANNA
APPLICANT: HILLP J.
APPLICANT: MAKKHAM, ALEXANDER F.
APPLICANT: ANAKHAM, ALEXANDER F.
APPLICANT: MAKAWIRA, ALEXANDER F.
APPLICANT: THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSES: BARNEY
STORE BATCH MACLIFICATE STORE STO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
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85.7%; Pred. No. 7.9e+02;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/452,654
FILING DATE: 25-MAY-1995
CLASSIFICATION DATA:
PRICK APPLICATION DATA:
APPLICATION NUMBER: US/07/41,940
FILING DATE: 08-AUG-1991
ATFORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET UNMBER: 32,141
REFERENCE/DOCKET UNMBER: 1107.035574
TELEPHONE: 202-508-9100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, NW
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: D.C.
COUNTRY: USA
COUNTRY: USA
ZIP: 20001-4598
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 202-508-9299
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2842 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
Best Local Similarity 85...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: single
|||:|||
1834 RGSFAFD 1840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |||:|||
1834 RGSFAFD 1840
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RESULT 27 US-08-449-731-7

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Sequence 7, Application US/08449731
Patent No. 6413727
GENERAL INFORMATION:
ANAND, RAKESH
ANAND, RAKESH
CARLSON, MARY
GRODEN, JOANNA
HEDGE, PHILIP J.
JOANNA
HEDGE, PHILIP J.
JOANNA
HEDGE, PHILIP J.
JOANNA
HEDGE, PHILIP J.
JOANNA
HEARANDER F.
KINZLER, KENNETH
WARKHAM, ALEXANDER F.
NAKAMUZA, YUSUKE
THILUSPIS, ANDREW
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Pred. No. 7.9e+02;
1; Mismatches 0; Indels
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COMPUTER: IMP PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARR: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/449,731
FILING DATE: 25-May-1995
CLASSIFCATION: UNLNOwn>
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/289,548
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REGISTRATION NUMBER: 32,141
REGISTRATION NUMBER: 32,141
REGISTRATION NUMBER: 32,141
REGISTRATION NUMBER: 1107.46943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEB: Banner & Allegretti, LTD
STREET: 1001 G Street, NW
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SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-08-449-731-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 20001-4598
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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; Sequence 2, Application US/07741940
; Sequence 2, Application US/07741940
; PATENT NIBERTIEN, HANS
; APPLICANT: ALBERTESH, HANS
; APPLICANT: CARLSON, MARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 202-508-9100
TELEPAX: 202-508-9299
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 66.7%;
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1834 RGSFAFD 1840
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ADDRESSEE: Banner, Birch, McKie & Beckett
STREET: 1001 G Street, NW
CITY: Washington
STATE: D.C.
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Patent No. 5691454
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            66.7%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |||:|||
1835 RGSFAFD 1841
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-289-548A-2
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                                                         COUNTRY:
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APPLICANT: JOSLYN, GEOFF
APPLICANT: MINZLER, KENNETH
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: TILLUVELIS, ANDREW
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
TITLE OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch, McKie & Beckett
CITY: Washington
STATE: D.C.
COUNTRY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: ALBERTSEN, HANS
APPLICANT: ANAND, RAKESH
APPLICANT: CARLSON, MARY
APPLICANT: CARLSON, MARY
APPLICANT: GRODEN, JOANNA
APPLICANT: MISLER, KENNETH
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: THLIVERIS, KENNETH
APPLICANT: THLIVERIS, ANDREW
APPLICANT: THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
TITLE OF INVENTION: INHERITED AND SOMATIC MUTANIONS
TITLE OF LINVENTION: GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Allegretti, LTD
STREET: 1001 G Street, NW
STREET: MASHINGTON
STREET: MASHINGTON
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                                                                                                                                                                                                                                                                                                                                                                                COUNTY: USA

ZIP: 20001-4598

COMPUTER READBLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/741,940
FILING DATE: 19920109
CLASSIFICATION: 435
ATTONEY/AGENT INFORMATION:
NAME: KAGAN, SATAN A.
REGISTRATION NUMBER: 32,141
REBERENCE/DOCKET NUMBER: 32,141
TELECOMMULICATION INFORMATION:
TELEFAM: 202-508-9299
TELEFRAM: 202-508-9299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/08289548A
Patent No. 5648212
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
APPLICANT: ANAND, RAKESH
APPLICANT: GRODEN, JOANNA,
APPLICANT: HEDGE, PHILIF J.
APPLICANT: HEDGE, PHILIF J.
APPLICANT: KINZLER, KENNETH
APPLICANT: KINZLER, KENNETH
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: THLIVERIS, ANDREW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 202-508-9299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2843 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: protein US-07-741-940-2
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APPLICANT: ANAND, RAKESH
APPLICANT: CARLSON, MARY
APPLICANT: GRODEN, JOANNA
APPLICANT: GRODEN, JOANNA
APPLICANT: JOSLYN, GEOFF
APPLICANT: JOSLYN, GEOFF
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: THLYTERIS, ANDREW
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
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Pred. No. 7.9e+02;
1; Mismatches 0; Indels
ZIP: 20001-4596
COMPUTER READABLE FORM:
MEDIUW TYPE: CIOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
SOFTWARE: PatentIn Release #1.0, Version #1.25
GURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/289,548A
FILING DATE: 12-AUG-1994
CLASSIFICATION NUMBER: 32,141
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.46943
TELEPHONE: 202-508-9100
TELEPHONE: 202-508-9100
TELEPHONE: 202-508-9299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
TENNEYATH: 2843 amino acids
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/452,654
FILING DATE: 2-AMY.1995
CLASSIFICATION NUMBER: US 07/741,940
PRICK APPLICATION NUMBER: US 07/741,940
PILING DATE: OB 08-AUG-1991
ATTORNEY/AGENT INFORMATION:
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Gaps
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APPLICANT: NAKAMURA, YUSUKE
APPLICANT: THILVERIA, ANDREM
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Witcoff, Ltd.
                                                                                                                                                              Score 34; DB 1; Length 2843;
Pred. No. 7.9e+02;
1; Mismatches 0; Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/452,655B
FILING DATE: 25-MAY-1995
CLASSIPICATION NUMBER: US/08/452,655B
FILING DATE: 25-MAY-1995
CLASSIPICATION NUMBER: US 08/289,548
PILING DATE: 12-MAG-1994
PRICATION NUMBER: US 07/741,940
FILING APPLICATION DATA:
APPLICATION NUMBER: US 07/741,940
FILING DATE: 08-MG-1991
ATTCRNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REGISTRATION NUMBER: 32,141
REGISTRATION NUMBER: 32,141
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.49964
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAX: 202-508-9109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1001 G Street, NW
CITY: Washington
STATE: D.C.
COUNTY: USA
ZIP: 20001-4598
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
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HEDGE, PHILLP J.
JOSLYN, GEOFF
KINZLER, KENNETH
MARKAMIRA, ALGXANDER F.
NAKAMIRA, ALGXANDER F.
THLIVERIS, ANDREW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 7, Application US/08452655B Patent No. 5783666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ALBERTSEN, HANS
ANAND, RAKESH
CARLSON, MARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 7: SEQUENCE CHARACTERISTICS: LENGTH: 2843 amino acide
                                                                                                                                                                         66.7%;
85.7%;
                                                                                                                                                                     Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                        TOPOLOGY: linear;
MOLECULE TYPE: protein US-08-452-6558-2
                                                                                                                                                                                                                                                                                                                                                                          1835 RGSFAFD 1841
          amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                     3 RGSYAFD 9
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US-08-452-655B-7
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US-08-452-655B-7
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APPLICANT: HEDGE, PHILIP J.
APPLICANT: JOSLYN, GEOFF
APPLICANT: KINZLER, KENNETH
APPLICANT: MARKHAM, ALEXANDER F.
APPLICANT: NAKAMURA, YUSUKE
APPLICANT: THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 34; DB 1; Length 2843;
Pred. No. 7.9e+02;
1; Mismatches 0; Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/452,655B
FILING DATE: 25-MAY-1995
CLASSIFICATION: 530
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.035574
TELECOMUNICATION INPORMATION:
TELEPAX: 202-508-9100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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CLASSIFTATION: 530
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/289,548
FILING DATE: 12-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/741,940
FILING DATE: 08-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107,49964
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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CCUNTRY: USA
ZIP: 20001-4598
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 1001 G Street, NW STATE: D. CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2, Application US/08452655B
Patent No. 5783666
GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
APPLICANT: ANAND, RAKESH
APPLICANT: CARLSON, MARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ALBERTSEN, HANS
ANAND, RAKESH
CARLSON, WARY
GRODEN, JOANNA
HEDGE, PHILLP J
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                         LENGTH: 2843 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-452-654-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner &
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1835 RGSFAFD 1841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 RGSYAFD 9
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US-08-452-655B-2
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APPLICANT: CARLEGON, MARY
APPLICANT: GRODEN, JOANNA
APPLICANT: HEDGE, PHILIP J.
APPLICANT: KINZLER, KENNETH
APPLICANT: KINZLER, KENNETH
APPLICANT: NAKAMURA, YUSUKE
APPLICANT: THILVERIS, ANDREW
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
   APPLICANT: NAKAMURA, YUSUKE
APPLICANT: THILTUREIS, ANDREB W
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Witcoff, Ltd.
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Pred. No. 7.9e+02;
1; Mismatches 0; Indels
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RIGHS PRICATION: 435
PRICA SEPECATION: 435
PRICA PRICATION DATA:
REPLICATION NUMBER: US 08/452,655
FILING DATE: 25-MAY-1995
APPLICATION NUMBER: US 08/289,548
FILING DATE: 12-AUG-1994
PRIOR APPLICATION NUMBER: US 07/741,940
FILING DATE: 08-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.49964
TELECOMMUNICATION INFORMATION:
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85.7%;
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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TELEFAX: 202-508-9299
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CORRESPONDENCE ADDRESS:
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Best Local Similarity
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APPLICANT:
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APPLICANT:
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US-08-450-582-7
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APPLICANT: KINZLER, KENNETH W.
APPLICANT: HILL, DAVID E.
ANTIBODIES AND ASSAYS FOR DERMINING
TITLE OF INVENTION: ANTIBODIES AND ASSAYS FOR DERMINING
TITLE OF INVENTION: ANTIBODIES AND ASSAYS FOR DERMINING
TITLE OF INVENTION: ANTIBODIES AND ASSAYS FOR DERMINING
CORRESPONDENCES: 4
CORRESPONDENCES: 4
CORRESPONDENCES: 4
CORRESPONDENCES: BANNER & WITCOFF, LTD.
STREET: 100.1 & STREET, N.W.
CITY: WASHINGTON
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                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 01-JAN-1995
CLASSIFICATION: 435
Best Local Similarity 85.7%; Pred. No. 7.9e+02; Matches 6; Conservative 1; Mismatches 0
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ANAND, RAKESH
CARLSON, MARY
GRODEN, JOANNA
HEDGE, PHILIP J.
JOSLYN, GEOFF
KINZLER, KENNETH
MARKHAM, ALEXANDER F.
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FILING DATE: 01-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KAGAN, SARAH A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 01107
TELEFONNICATION INFORMATION:
TELEFAN: 202 508 9100
TELEFAX: 202 508 9299
INFORMATION FOR EGO ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2843 amino acids
                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/08370235A Patent No. 5910418 GENERAL INFORMATION:
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US-08-450-582-2
; Sequence 2, Application US/08450582
; Patent No. 6114124
; GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7
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ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
COMPUTER: IBM PC compe
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1835 RGSFAFD 1841
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1835 RGSFAFD 1841
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US-08-370-235A-2
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APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
APPLICANT:
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Patent No. 6743630

GENERAL INPORMATION:
APPLICANT: Sato, Taka-Aki
TITLE OF INVENTION: BICCHEMICAL PROTEIN INTERACTION
TITLE OF INVENTION: BICCHEMICAL PROTEIN INTERACTION
FILE REPERENCE: 65823/JPW/PT
CURRENT APPLICATION NUMBER: US/10/092,138A
CURRENT APPLICATION NUMBER: US/206
NUMBER OF SEQ ID NOS: 34
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 30
LENGTH: 2843
           COMPUTER READABLE 1939

COMPUTER READABLE Ploppy disk

COMPUTER: Ploppy disk

COMPUTER: TEM PC compatible

COMPUTER: TEM PC compatible

COMPUTER: TEM PC compatible

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/08/449,731

FILING DATE: 25-May-1995

CLASSIFICATION: CUNKNOWN>

PRIOR APPLICATION NUMBER: 08/289,548

FILING DATE: 12-A0G-1994

ATPORNEY/AGENT INFORMATION:

NAME: KAGAN, SATAN A.

REFERENCE/DOCKET NUMBER: 1107.46943

TELECOMMUNICATION NUMBER: 1107.46943

TELERHONE: 202-508-9100

TELERHONE: 202-508-9100

TELERHONE: 202-508-9199

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         66.7%; Score 34; DB 2; Length 2843; 85.7%; Pred. No. 7.9e+02; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                66.7%; Score 34; DB 2; Length 2843;
85.7%; Pred. No. 7.9e+02;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acids

TYPE: amino acids

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-08-449-731-2
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Best Local Similarity 85.7
Matches 6; Conservative
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1835 RGSFAFD 1841
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Matches 6; Conserva
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ORGANISM: human
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US-09-538-092-1007
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US-10-092-138A-30
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THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
GENE IN COLORECTAL CANCER IN HUMANS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 34; DB 2; Length 2843;
Pred. No. 7.9e+02;
1; Mismatches 0; Indels
                                                                           COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
COMPUTER: PARCHING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RELEASE #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSE: Banner & Allegretti, LTD
STREET: 1001 G Street, NW
CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/452,655
FILING DATE: 25-MAY-1995
APPLICATION NUMBER: US 08/289,548
FILING DATE: 12-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/741,940
FILING DATE: 08-AUG-1991
ATTORNEY,AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.49964
TELECOMMUNICATION:
TELEPHONE: 202-508-9100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ANAND, RAKESH
CARLSON, MARY
GRODEN, JOANNA
HEDGE, PHILIP J.
JOSLYN, GEOFF
KINZLER, KENNETH
MARKHAM, ALEXANDER F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 2, Application US/08449731; Patent No. 6413727; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: ALBERTSEN, HANS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               66.7%;
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1001 G Street, NW
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TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
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Matches 6; Conservative
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1835 RGSFAFD 1841
                        Washington
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US-08-449-731-2
                                                                COUNTRY:
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Patent No. 6911556
GENERAL INFORMATION:
APPLICANT: Sato, Taka-Aki
APPLICANT: Sato, Taka-Aki
TITLE OF INVENTION: COMPOUNDS THAT INHIBIT THE INTERACTION BETWEEN
TITLE OF INVENTION: SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR)
TITLE OF INVENTION: DOMAIN AND USES THEREOF
FILE REFERENCE: 48962
CURRENT APPLICATION NUMBER: US/08/681,219A
CURRENT FILING DATE: 1996-07-22
NUMBER OF SEQ ID NOS: 37
SOFTWARE PATENTON NOS: 37
SOFTWARE PATENTON NOS: 37
TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same FILE REFERENCE: 15966-542
CURRENT APPLICATION NUMBER: US/09/538,092
CURRENT FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 60/127,352
PRIOR APPLICATION NUMBER: 60/127,352
PRIOR APPLICATION NUMBER: 60/178,965
PRIOR APPLICATION NUMBER: 60/178,965
PRIOR APPLICATION NUMBER: 60/178,965
PRIOR APPLICATION NUMBER: 60/178,965
PRIOR FILING DATE: 2000-02-01
NUMBER OF SEQ ID NOS: 1387
SEQ ID NO 1007
LENGTH: 2843
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US-08-466-013-15
; Sequence 15, Application US/08466033
; Patent No. 5766840
; GENERAL INFORMATION:
; APPLICANT: Kim, Jungsuh P.
; APPLICANT: Young, LaVonne M.
; APPLICANT: Fry, Kirk E.
; TITLE OF INVENTION: Hepatitis G Virus and Molecular
; TITLE OF INVENTION: Cloning Thereof
; NUMBER OF SEQUENCES: 277
; CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: (0) ... (0) ... (0) CTHER INFORMATION: Polypeptide Accession Number P25054 US-09-538-092-1007
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Pred. No. 7.9e+02;
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Best Local Similarity 85.7
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
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1835 RGSFAFD 1841
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ORGANISM: human
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US-08-681-219A-30
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LENGTH: 2843
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ADDRESSEE: Dehlinger & Associates

STREET: 350 Cambridge Ave., Suite 250

CONTY: Palo Alto
CONTY: Associates

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FILING DATE: 15-FEB-1994

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US-08-424-550B-401
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(gn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*)
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                  GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-369-493-82

US-10-369-493-82

US-10-493-82

US-10-293-418-3185

US-10-293-418-1935

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US-10-732-928-8460

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US-10-282-122A-453

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US-10-76-774-1633

US-10-76-774-1633

US-10-76-774-1633
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                                                                                                                                                                                                                                                                                                                1867569 seqs, 417829326 residues
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
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                                                                                     OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
                                                                                                                       2005,
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Maximum DB seq length: 200000000
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51
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                                                                                                                     December 14,
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Match 1
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Result No.

Application US/10954900A

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publication No. US20050123541A1

publication No. US20050123541A1

GENERAL INFORMATION:

APPLICANT: Giles-Komar, Jill

APPLICANT: Galves-Komar, Jill

APPLICANT: Bavid Shealy

APPLICANT: Bavid Shealy

APPLICANT: Bavid Knight

APPLICANT: Bavid Knight

APPLICANT: Bavid Knight

APPLICANT: Bavid Knight

APPLICANT: Bavid Scallon

APPLICANT: Bavid Scallon

APPLICANT: Bavid Scallon

APPLICANT: WINDER: Scallon

FILE OF INVENTION: ANTI-TRF ANTIBODIES, COMPOSITIONS, METHODS AND USES

FILE REFERENCE: CEN0250 DIV-2

CURRENT APPLICATION NUMBER: 09/920,262

PRIOR PLILNG DATE: 2001-09-01

PRIOR PPLING DATE: 2000-09-01

PRIOR PLILNG DATE: 2000-09-29

NUMBER OF SEQ ID NOS: 15

SSOTIDN 3

LENGTH: 10

LENGTH: 10

LENGTH: 10
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Best Local Similarity 100.
Matches 10; Conservative
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; ORGANISM: Homo sapiens
US-10-954-900A-3
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                                                                                                            RESULT 1
US-09-920-267C-3
Sequence 3, Application US/09920267C
Sequence 3, Application No. US20030040044A1
Sequence 3, Application No. US20030040044A1
Sequence 3, Application No. US20030040044A1
GENERAL INFORMATION:
APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Trikha, Mohit
SAPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
TILE REPERENCE: CEN 249
SPRIOR APPLICATION NUMBER: US/09/920,267C
CURRENT FILING DATE: 2001-08-01
SPRIOR APPLICATION NUMBER: 60/223,363
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 3
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/10720323

Sequence 3, Application US/10720323

Fublication No. US20040185507A1

GENERAL INFORMATION:

APPLICANT: Centcoor, Inc.

APPLICANT: Giles-Komar, Jill

APPLICANT: Giles-Komar, Jill

APPLICANT: Giles-Komar, Jill

APPLICANT: Giles-Komar, Jill

APPLICANT: Maxda, Marian

APPLICANT: Nakada, Marian

CURRENT APPLICANTON: AND 1-D24

CURRENT APPLICATION NUMBER: US/10/720,323

CURRENT PILING DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin version 3.1

SEQ ID NO 3

LENGTH: 10

LENGTH: 10

CORANISM: Homo sapiens

US-10-720-323-3
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100.0%; Score 51; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.01;
Matches 10; Conservative 0; Mismatches 0; Indels
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                                            ALIGNMENTS
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Matches 10; Conservative
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ORGANISM: Homo Bapiens
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US-10-720-323-3
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100.0%; Score 51; DB 5; Length 10; 100.0%; Pred. No. 0.01; cive 0; Mismatches 0; Indels

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GENERAL INFORMATION:

BUBLICATION NO. US20030040044A1

GENERAL INFORMATION:

APPLICANT: Centocor, Inc.

APPLICANT: Trikha, Mohit

APPLICANT: SNYGER, Linda

TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES

FILE REFERENCE: CEN 249

CURRENT FILING DATE: 2001-08-01

PRIOR PRIJNG DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin version 3.1

FENCEN FILING DATE: 2000-08-07

SOFTWARE: Patentin version 3.1
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100.0%; Score 51; DB 3; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 10; Conservative 0; Mismatches 0; Indels
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Publication No. US20040185507A1
GENERAL INFORMATION:
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1 EARGSYAFDI 10
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TYPE: PRT
ORGANISM: Homo sapiens
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RESULT 3 US-10-954-900A-3

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Fage 3

"""LUCANT: Li, Ping

"TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

"TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

"FILE REFERENCE: 38-21(53221)B

"CURRENT APPLICATION WINBER: US/10/437,963

"CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 121019

LENGTH: 466

TYPE: Pur
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Sequence 3185, Application US/09880748

Publication Wo. US-20030059937A1

GREERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 06/212,210

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR APPLICATION NUMBER: 60/216,248

PRIOR PILING DATE: 2000-10-17

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239

SEQ ID NO 3185

LENGTH. 3185
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US-10-293-418-3185

Sequence 3185, Application US/10293418

Sequence 3185, Application US/10293418

Publication No. US20030223996A1

GENERAL INFORMATION:

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523P2

CURRENT PELING DATE: 2002-11-27

PRIOR APPLICATION NUMBER: 60/331,469

PRIOR FILING DATE: 2001-11-16
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                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_24085C.1.pep
US-10-437-963-121019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 38; DB 4; I
Pred. No. 1.3e+02;
1; Mismatches 2;
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Best Local Similarity 70.0%;
Matches 7; Conservative
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Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-09-880-748-3185
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| Publication No. US20030233675A1
| Publication No. US20030233675A1
| APPLICANT: Cao, Yongwei
| APPLICANT: Gaidman, Barry S.
| APPLICANT: Gldman, Barry S.
| TITLE OF INVENTION: ExpRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
| TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
| FILE REFERENCE: 38-10(5202) B
| CURRENT APPLICATION NUMBER: US/10/369,493
| CURRENT APPLICATION NUMBER: US 60/360,039
| PRIOR APPLICATION NUMBER: US 60/360,039
| PRIOR APPLICATION NUMBER: US 60/360,039
| NUMBER OF SEQ ID NOS: 47374
                                                                                                                                                                     APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Snyder, Linda
APPLICANT: Nakada, Marian
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REFERENCE: CEN 249 CIPNP
CURRENT APPLICATION NUMBER: US/10/720,323
CURRENT FILING DATE: 2000-10-24
PRIOR FILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 7
LENGTH: 119
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Pred. No. 84;
2; Mismatches 1; Indels
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Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Roy, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          74.5%;
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US-10-369-493-82
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Best Local Similarity 70.0
Matches 7; Conservative
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Matches 10; Conservative
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ORGANISM: Homo sapiens
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US-10-437-963-121019
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Gaps
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GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION:

FILE REFERENCE: PF523P2

CURRENT APPLICATION NUMBER: US/10/293,418

CURRENT APPLICATION NUMBER: 06/331,469

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-12-7

PRIOR PLING DATE: 2001-16-15

PRIOR PLING DATE: 2001-06-15

PRIOR PLING DATE: 2001-06-16

PRIOR PLING DATE: 2001-01-16

PRIOR PLING DATE: 2001-01-17

PRIOR PRIOR DATE: 2001-01-17

PRIOR PLING DATE: 2001-01-17

PRIOR PLING DATE: 2000-10-17

PRIOR PLING DATE: 2000-06-16

PRIOR PLING DATE: 2000-06-16

NUMBER OF SEQ ID NOS: 3247
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                         CURRENT FERENCE: F73.6

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR PILING DATE: 2000-06-15

PRIOR PILING DATE: 2000-06-15

PRIOR PILING DATE: 2000-10-17

PRIOR PILING DATE: 2000-10-17

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-17

PRIOR PILING DATE: 2001-03-21

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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-10-293-418-1935
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ORGANISM: Homo sapiens
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US-10-425-115-355604

US-10-425-115-355604

Sequence 355604, Application US/10425115

PUBLICATION NO. US20040214272A1

GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(53.22)
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT PILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 355604
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US-00-880-748-1935
US-00-880-748-1935
Sequence 1935, Application US/09880748
Publication No. US20030059937A1
FORBRALL INFORMATION:
A PREDICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 72.5%; Score 37; DB 4; Length 11; Best Local Similarity 100.0%; Pred. No. 4.6; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Clone ID: MRT4577_87477C.1.pep
US-10-425-115-355604
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OTHER INFORMATION: unsure at all Xaa locations
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR PELING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-15
PRIOR FILING DATE: 2001-06-25
PRIOR PLILING DATE: 2001-05-25
PRIOR PLILING DATE: 2001-03-21
PRIOR PLILING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-16
PRIOR PLING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2000-10-17
PRIOR PRILING DATE: 2000-10-17
PRIOR FILING DATE: 2000-10-17
PRIOR FILING DATE: 2000-16-17
PRIOR FILING DATE: 2000-16-17
PRIOR FILING DATE: 2000-06-16
NUMBER OF SEQ ID NOS: 3247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
US-10-293-418-3185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           144 ARGHYAFD 151
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LOCATION: (1)..(:
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Sequence 5972, Application US/10106698

| Bublication No. US20030109690A1
| GENERAL INFORMATION:
| APPLICANT: Ruben et al. |
| TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide |
| TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide |
| TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide |
| TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide |
| FILE REFERENCE: RA005PH: 2002-03-27 |
| FILE REPERION: SPECIATION NUMBER: US 60/157,137 |
| FRIOR PILING DATE: 1999-109-29 |
| FRIOR PILING DATE: 1999-11-03 |
| NUMBER OF SEQ ID NOS: 8564 |
| SEQ ID NO 5972 |
| LENGTHARE: Patentin Ver. 3.0 |
| LENGTHE: 170
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1 LOCATION: (170)

2 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-106-698-5972
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                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
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Sequence 52925, Application US/10450763
Publication No. US20050196754A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc, TITLE OP INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES; FILE REFERENCE: 790CTP3/US
CURRENT APPLICATION NUMBER: 108/10/450,763
CURRENT FILING DATE: 2003-06-11
                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Clone ID: PAT_MRT3847_66776C.1.pep
US-10-424-599-248887
                                                                                                                                                                                                                                                                                                                                                                                               4;
                                                                                                                                                                                                                                                                                                                                                                                      Query Match 70.6%; Score 36; DB Best Local Similarity 87.5%; Pred. No. 85; Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
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ORGANISM: Homo sapiens
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69 AKGTYTFDI 77
                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Glycine max
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Best Local Similarity
Matches 6; Conserv
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US-10-106-698-5972
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TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5321)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 154103
LENGTH: 1209
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                                                                                      APPLICANT: Edgerton, Michael D
TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
FILE REPERENCE: 38-15/52796/C
CURRENT APPLICATION NUMBER: US/10/732,923
CURRENT FILING DATE: 2003-12-10
PRIOR APPLICATION NUMBER: 10/310,154
PRIOR PLICHG DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 24149
SEQ ID NO 8460
LENGTH: 1108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1108;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 72.5%; Score 37; DB 5; Length 110
Best Local Similarity 66.7%; Pred. No. 4.6e+02;
Matches 6; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Clone ID: PAT_MRT4530_53996C.1.pep
US-10-437-963-154103
                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: ungure

LOCATION: (1)..(1108)

COTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-8460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 154103; Application US/10437963; Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Cao, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Brad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 248887, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
                         Sequence 8460, Application US/10732923 Publication No. US20050108791A1 GENERAL INFORMATION:
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Matches 6; Conservative
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280 KAKGAYAFD 288
                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Oryza sativa
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2 KAKGAYAFD 10
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US-10-424-599-248887
      US-10-732-923-8460
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FRIOR FILING DATE: 2003-02-20

FRIOR FILING DATE: 2000-03-21

FRIOR FILING DATE: 2000-03-21

FRIOR FILING DATE: 2000-05-23

FRIOR FILING DATE: 2000-05-26

FRIOR FILING DATE: 2000-05-26

FRIOR FILING DATE: 2000-05-26

FRIOR FILING DATE: 2000-05-26

FRIOR FILING DATE: 2000-09-06

FRIOR FILING DATE: 2000-09-06

FRIOR FILING DATE: 2000-10-23

FRIOR FILING DATE: 2000-10-23

FRIOR FILING DATE: 2000-110-23

FRIOR FILING DATE: 2001-02-09

FRIOR APPLICATION NUMBER: 60/267,636

FRIOR FILING DATE: 2001-02-09

FRIOR FILING DATE: 2001-02-16

FRIOR FILING DATE: 2001-02-16

FRIOR FILING DATE: 2001-02-16

FRIOR APPLICATION NUMBER: 60/269,308

FRIOR FILING DATE: 2001-02-16

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                                                                                                                                                                                                                                                                                                                                                 FEATURE:

NAME/KEY: misc feature

LOCATION: (1)...(750)

OTHER INFORMATION: Xaa = X or * as defined in Table
US-10-450-763-52926
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 70.6%; Score 36; DB 5; I Best Local Similarity 66.7%; Pred. No. 4.8e+02; Matches 6; Conservative 2; Mismatches 1.
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Sequence 4627, Application US/10282122A
Sequence No. US20040029129A1
SEQUENCE NOT US20040029129A1
SAPPLICANT: Wang, Liangsu
APPLICANT: Malone, Cherlo
APPLICANT: Malone, Cherlo
APPLICANT: Applicant: Zyskind, Judith
APPLICANT: Olsen, Kari
APPLICANT: Trawick, John
APPLICANT: Trawick, John
APPLICANT: Trawick, John
APPLICANT: Trawick, John
APPLICANT: Yamamoto, Robert
APPLICANT: Yamamoto, Robert
APPLICANT: Yamamoto, Robert
APPLICANT: Yamamoto, Robert
APPLICANT: Yamamoto, Robert
   PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FLING DATE: 2000-03-31
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SOFTWARE: Custom
SOFTWARE: Custom
SOFTWARE: Custom
SEQ ID NO 52926
LENGTH: 750
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  151 AKGTYTFDI 159
                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 ARGSYAFDI 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: (110)..(125)
; OTHER INFORMATION: WILM'S TUMOUR PROTEIN SIGNATURE domain identified by eMATRIX,
; OTHER INFORMATION: accession number PR00049D, p-value=4.661e-09, raw score of 0.00
US-10-450-763-52925
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; Bublication No. US20050196754A1
; GENERAL INFORMATION:
; FALL REPERLED IN THYSEQ, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; TILE REFERENCE: 790CTP3/US
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR APPLICATION NUMBER: 09/540,167
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR APPLICATION NUMBER: 09/649,167
; RIURG DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; RIURG DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: CUBTOM
; SEQ ID NO 41591
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 70.6%; Score 36; DB 5; Length 637; Best Local Similarity 66.7%; Pred. No. 4.1e+02; Matches 6; Conservative 2; Mismatches 1; Indels
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Sequence 52926, Application US/10450763

PUDLIcation No. US20050196754A1

GENERAL INFORMATION:

APPLICANT: Hyesq, Inc

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REPRENCE: 79001P3/US

CURRENT APPLICATION NUMBER: US/10/450,763

CURRENT APPLICATION NUMBER: PCT/US01/08631

PRIOR FILING DATE: 2001-03-30
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Pred. No. 4.2e+02;
2; Mismatches 1;
PRIOR APPLICATION NUMBER: PCT/USO1/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR PILING DATE: 2000-03-31
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SEQ ID NO 52925
; LENGTH: 637
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Best Local Similarity 66.7°
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ORGANISM: Homo sapiens
US-10-450-763-41591
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66 AKGTYTFDI 74
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US-10-450-763-41591
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APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Kovalic, David K.
APPLICANT: Applicant: Acai, Yihuda
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE OF INVENTION: Plants
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 203294
LENGTH: 150
                                                                                                                 Sequence 1603, Application US/10276774

Publication No. US20040053245A1

GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: No. US20040053245A1e1 Nucleic Acids and Polypeptides
TITLE OF INVENTION: No. US20040053245A1e1 Nucleic Acids and Polypeptides
TITLE OF INVENTION: No. US20040053245A1e1 Nucleic Acids and Polypeptides
CURRENT APPLICATION NUMBER: US/10/276,774

CURRENT FILING DATE: 2002-11-18

PRIOR PILING DATE: 2000-02-7

PRIOR PILING DATE: 2000-02-03

NUMBER: OF SEQ ID NOS: 2700

SEQ ID NO 1603

LENGTH: 112
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85.7%; Pred. No. 1.1e+02;
ive 1; Mismatches 0; Indels
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85.7%; Pred. No. 1.5e+02;
iive 1; Mismatches 0; Indels
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US-10-42S-115-203294
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US-10-425-115-203294
; Sequence 203294, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
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Best Local Similarity 85.7-
S. Conservative
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Matches 6; Conservative
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409 AKGTYTFDI 417
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ORGANISM: Homo sapiens
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ORGANISM: Zea mays
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US-10-276-774-1603
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US-10-701-401-7
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Publication No. US20050221398A1

GENERAL INFORMATION:
APPLICANT: JACQUEMIER, JOCELYNE
APPLICANT: BIRNBAUM, DANIEL
APPLICANT: BIRNBAUM, DANIEL
APPLICANT: TAGETT, REBECCA
ITILE OF INVENTION: PROGENOSIS
ITILE OF INVENTION: PROGENOSIS
ITILE OF INVENTION: PROGENOSIS
ITILE OF INVENTION: PROGENOSIS
ITILE OF INVENTION: UNMBER: US/11/037,713
CURRENT FILING DATE: 2005-01-18
PRIOR FILING DATE: 2006-01-16
NUMBER OF SEQ ID NOS: 54
NUMBER OF SEQ ID NOS: 54
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        70.6%; Score 36; DB 4; Length 890; 77.8%; Pred. No. 5.7e+02; tive 1; Mismatches 1; Indels
                                                                            FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (291)...(291)
OTHER INFORMATION: X=any amino acid
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NAME/KEY: MISC FEATURE
LOCATION: (294)...(294)
OTHER INFORMATION: X=any amino acid
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NAME/KEY: MISC_FEATURE
LOCATION: (454)...(454)
OTHER INFORMATION: X=any amino acid
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NAME/KEY: MISC FEATURE
LOCATION: (519)...(519)
OTHER INFORMATION: X=any amino acid
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NAME/KEY: MISC FEATURE
LOCATION: (534). (534)
OTHER INFORMATION: X=any amino acid
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NAME/KEY: MISC FEATURE
LOCATION: (657)...(657)

OTHER INFORMATION: X=any amino acid
US-10-282-122A-46227
                                       LOCATION: (104). (104). OTHER INFORMATION: X=any amino acid
                                                                                                                                                                                                                                                                                               LOCATION: (435)..(435)
OTHER INFORMATION: X-any amino acid
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Best Local Similarity 77.8
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Best Local Similarity 66.7
Matches 6; Conservative
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NAME/KEY: MISC FEATURE
LOCATION: (435)..(435)
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ORGANISM: Homo sapiens
                     NAME/KEY: MISC_FEATURE
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APPLICANT: Zhang, Bing
APPLICANT: Gibbon, Bradford W.
APPLICANT: Taylor Steven W.
APPLICANT: Taylor Steven W.
APPLICANT: Warnock, Dale B.
TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
TITLE OF INVENTION: TARGETS FOR THE MITOCHONDRIAL PROTEOME
FILE REFERENCE: 660089.465
CURRENT APPLICATION WUMBER: US/10/408,765A
CURRENT FILING DATE: 2003-04-04
NUMBER OF SEQ ID NOS: 3077
SOFTWARE: FastSEQ for Windows Version 4.0
SOFTWARE: PRICE SEQ IN WINDOWS VERSION 4.0
SEQ ID NO 1504
TYPE: PRI
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Pred. No. 2.4e+03;
1; Mismatches 0; Indels
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                                                                             Score 35; DB 4; Length 928;
Pred. No. 9.1e+02;
2; Mismatches 1; Indels
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; Sequence 1504, Application US/10408765A
; Publication No. US20040101874A1
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
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Best Local Similarity 85.7%;
Matches 6; Conservative 1
                                                                                Query Match
Best Local Similarity 66.7%;
Matches 6; Conservative
ORGANISM: Neurospora crassa
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Best Local Similarity 85.77
Matches 6; Conservative
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                                                                                                                                                                                                                                                           44 EAQGSFTFD 52
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           US-10-370-685-112
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US-10-370-685-112
is Sequence 112, Application US/10370685
sequence 112, Application US/10370685
sequence 112, Application US/10370685
sequence 112, Application US.020030215903A1
sequence 112, Application US.020030215903A1
sequence 112, Application US.02003A1
sequence 112, Application US.02003A1
sequence 112, Application UNERROW INVESTIGNT US.02003A1
sequence 112, INVENTION: Nanostructures Containing PNA Joining and Functional Elements
sequence Investigation UNERROW INVESTIGNT US.02003A1
sequence 112, INVESTIGATION UNMBER: 10/080,608
sequence 112, INVESTIGATION UNMBER: 10/080,608
sequence 112, INVESTIGATION UNMS: 159
sequence 112, INVESTIGATION UNMS: 159
sequence 112, INVESTIGATION UNMS: 129
sequence 112, INVESTIGATION UNMS: 129
sequence 122, INVESTIGATION UNMS: 120
sequence 122, INVESTIGATION UNMS: 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 852;
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US-10-080-608A-23
US-10-080-608A-23
Sequence 23, Application US/10080608A
Publication No. US20030198956A1
GENERAL INFORMATION:
APPLICANT: Makowaki. Lee
APPLICANT: Williams, Mark
TILLOOF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
FILE REFERENCE: 8471-010-999
CURRENT APPLICATION NUMBER: US/10/080,608A
CURRENT FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 180
SOFTWARE: FREUSED FOR WINDOWS VERSION 4.0
                    APPLICANT: OUKKA, Mohamed
TITLE OF INVENTION: NETHODS FOR MODULATING AN IMMUNE
TITLE OF INVENTION: RESPONSE BY MODULATING KRC ACTIVITY
FILE REFERENCE: HUI-045CP
CURRENT APPLICATION NUMBER: US/10/701,401
CURRENT FILING DATE: 2003-11-03
PRIOR PILING DATE: 2001-05-03
PRIOR FILING DATE: 2001-05-03
SOFTWARE: FASLSEQ for Windows Version 4.0
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            68.6%; Score 35; DB 5; I 85.7%; Pred. No. 8.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
  APPLICANT: Glimcher, Laurie H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Neurospora crassa
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Best Local Similarity 66.7
Matches 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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; ORGANISM: Homo sapiens
US-10-701-401-7
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44 EAQGSFTFD 52
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LENGTH: 928
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US-10-425-115-330011

US-10-425-115-330011

Sequence 330011, Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Zbou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Plants

TITLE OF INVENTION: Plants

FILE REPRENCE: 38-21(53222)

CURRENT APLICATION NUMBER: US/10/425,115

CURRENT PILING DATE: 2003-04-28

SEQ ID NOS: 369326

SEQ ID NO 330011

LENGTH: 223
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US-10-151-882-16
Sequence 16, Application US/10151882
Sequence 16, Application No. US20030059862A1
GENERAL INFORMATION:
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)
FILE REFERENCE: PF554
CURRENT APPLICATION NUMBER: US/10/151,882
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                              PRIOR APPLICATION NUMBER: US 60/230,517
PRIOR FILING DATE: 2000-09-06
PRIOR FILING DATE: 2000-09-06
PRIOR PLING DATE: 2000-09-06
PRIOR PLING DATE: 2000-09-06
PRIOR FILING DATE: 2000-09-06
REMAINING DATE: 2000-09-06
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 506
SOFTWARE: PERL PROGRAM
SEQ ID NO 407
LENGTH: 192
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: LG:306284.1.orf2:2000SEP08
US-10-363-829-407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       66.7%; Score 34; DB 4; Length 192; 50.0%; Pred. No. 2.9e+02; Live 3; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Clone ID: MRT4577_64070C.1.pep
US-10-425-115-330011
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OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
         FILING DATE: 2000-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Conservative
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70 DAKGQYLFDL 79
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ORGANISM: Homo sapiens
FEATURE:
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Best Local Similarity
Matches 5; Conserv
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FEATURE:
NAME/KEY: unsure
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                                                                                                                                                          Sequence 187048, Application US/10425115
; Publication No. US20040214272A1
; Publication No. US20040214272A1
; GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: APPLICANT: About K.
APPLICANT: APPLICANT: About K.
APPLICANT: APPLICANT: About K.
APPLICANT: APPLICANT: About K.
APPLICANT: APPLICANT: David K.
APPLICANT: APPLICANT: David K.
TITLE OF INVENTION: Plante
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
; SEQ ID NOS: 369326
; SEQ ID NO 187048
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APPLICANT: Jackeon, Stuart E.; Lincoln, Stephen E.;
APPLICANT: Jackeon, Stuart E.; Lincoln, Gerard E.;
APPLICANT: Chalup, Michael S.; Jackson, Jennifer L.;
APPLICANT: Univ. Chalup, Anisea L.; Yu, Jimmy Y.;
APPLICANT: Wright, Rachel J.; Gietzen, Darryl;
APPLICANT: Wright, Rachel J.; Gietzen, Darryl;
APPLICANT: Bradley, Diana L.; Rohatgi, Sameer D.;
APPLICANT: Bradley, Diana L.; Rohatgi, Sameer D.;
APPLICANT: Bradley, Diana L.; Robatgi, Sameer D.;
APPLICANT: Bradley, Diana L.; Roseberry Lincoln, Ann M.;
APPLICANT: Bradley, Diana L.; Roseberry Lincoln, Ann M.;
APPLICANT: Marwaha Rakesh; Chen, Alice J.;
APPLICANT: Chang, Vincent Z.; Daffo, Abel;
APPLICANT: Chang, Simon C.; Au, Alan P.;
APPLICANT: NUMBER: US/10/363,829
CURRENT FILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: US 60/229,749
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR PILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: US 60/229,740
PRIOR APPLICATION NUMBER: US 60/229,740
PRIOR APPLICATION NUMBER: US 60/229,740
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US-10-425-115-187048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 407, Application US/10363829; Publication No. US20040142331A1; GENERAL INFORMATION:
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Matches 6; Conservative
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EREGSYGYDI 24
||||:||
558 RGSYSFD 564
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US-10-363-829-407
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RESULT 35
US-10-425-114-64938
US-10-425-114-64938

Sequence 64938, Application US/10425114

Sequence 64938, Application US/10425114

Sequence 64938, Application No. US20040034888A1

SEQUENCE OF UNCHAICON:

APPLICANT: Eno, Yihua

APPLICANT: Screen, Steven E

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53313) B

CURRENT APPLICATION NUMBER: US/10/425,114

SEQ ID NO 64938

SEQ ID NO 64938

LENGTH: 311

LENGTH: 311

LENGTH: 311
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| Sequence 41240, Application US/10425114
| Publication No. US20040034888A1
| GENERAL INFORMATION:
| APPLICANT: Liu, Jingdong
| APPLICANT: Zhou, Yihua
| APPLICANT: Soreen, Serven E
| APPLICANT: Soreen, Steven E
| APPLICANT: Tabaska, Jack E
| APPLICANT: Cao, Yongwei
| TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
| TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
| FILE REFERENCE: 38-21(5313)8
| CURRENT APPLICATION NUMBER: US/10/425,114
| CURRENT FILING DATE: 2003-04-28
| NUMBER OF SEQ ID NOS: 73128
| SEQ ID NO 41240
| LENGTH: 341
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Pred. No. 4.7e+02;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                               Query Match 66.7%; Score 34; DB 4; Length 308; Best Local Similarity 87.5%; Pred. No. 4.6e+02; Matches 7; Conservative 0; Mismatches 1; Indels
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CTHER INFORMATION: Clone ID: LIB4730-020-G2_FLI.pep
US-10-425-114-64938
                                                                                                                                        OTHER INFORMATION: Clone ID: MRT4577_64068C.1.pep US-10-425-115-330008
                                              LOCATION: (1)..(308)
OTHER INFORMATION: unsure at all Xaa locations
PEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 66.7%;
Best Local Similarity 75.0%;
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Zea mays
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ORGANISM: Zea mays
              NAME/KEY: unsure
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US-10-767-701-43856
i Sequence 43866, Application US/10767701
j Publication No. US20040172684A1
j GENERAL INFORMATION:
i APPLICANT: Kovalic, David K.
j APPLICANT: Zhou, Yihua
j APPLICANT: Cao, Yongwei
j TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
j TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
j FILE REFERENCE: 38-21(53555)B
j CURRENT FILING DATE: 2004-01-29
j NUMBER OF SEQ ID NOS: 63128
j SEQ ID NO 43856
j LENGTH: 254
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APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Cahou, Yihua APPLICANT: Salou, Salous Sa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
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US-10-767-701-43856
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 66.7%; Score 34; DB 4; 18est Local Similarity 77.8%; Pred. No. 3.7e+02; Matches 7; Conservative 1; Mismatches 1
CURRENT FILING DATE: 2002-05-22
FRIOR APPLICATION NUMBER: 60/293,100
FRIOR FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 48
SOFTWARE: PAtentin version 3.0
FIENGIH: 242
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
COTHER INFORMATION: A027A11 scFv
US-10-151-882-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Sorghum bicolor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97 ARGSOAFEI 105
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ORGANISM: Zea mays
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US-10-425-115-330008
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PRIOR FILING DATE: 2000-10-23,625

PRIOR PELING DATE: 2000-10-27

PRIOR FILING DATE: 2000-11-27

PRIOR FILING DATE: 2000-11-27

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/267,931

PRIOR PILING DATE: 2001-02-06

PRIOR PILING DATE: 2001-02-06

PRIOR FILING DATE: 2001-02-16

PRIOR FILING DATE: 2001-02-16

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

SOFTWARE PALEATION NUMBER: 6/269,308

NUMBER OF SEQ ID NOS: 78614

SEQ ID NO 76935

LENGTH: 541
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Publication No. US20030236392A1

GENERAL INFORMATION:

TITLE OF INVENTION: No. US20030236392A1e1

TITLE OF INVENTION: No. US20030236392A1e1

FILE REFRENCE: H1-A0105

CURRENT APPLICATION NUMBER: US/10/104,047

PRIOR PILING DATE: 2002-03-25

PRIOR PILING DATE:

NUMBER OF SEQ ID NOS: 4096

SEQ ID NO 2011

LENGTH: 555
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        66.7%; Score 34; DB 4; 175.0%; Pred. No. 8.2e+02;
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Publication No. US20040044184A1
GENERAL INFORMATION:
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APPLICANT: YAO, Monique G.
APPLICANT: WALLA, Narinder K.
APPLICANT: GIETZEN, Kimberly J.
APPLICANT: THANGAVELU, Kavitha
APPLICANT: DING, Li
APPLICANT: DING, Li
APPLICANT: YUE, Henry
APPLICANT: TANG, Y. Tom
APPLICANT: TANG, Y. Tom
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Best Local Similarity 75.0
Matches 6; Conservative
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Best Local Similarity 50.0
Matches 5; Conservative
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US-10-282-122A-76935
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US-10-104-047-2011
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US-10-104-047-2011
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Publication No. US2004021427241
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: APPLICANT: Application Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants
TITLE OF INVENTION: Plants
FILE REPERENCE: 38-21(53222)
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 290829
LENGTH: 353
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APPLICANT: Ku, H.
APPLICANT: Xu, H.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
TITLE OF INVENTION: 134A
CURRENT ELLING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR PILING DATE: 2000-03-21
PRIOR PILING DATE: 2000-03-21
PRIOR PILING DATE: 2000-05-23
PRIOR PILING DATE: 2000-05-23
PRIOR PILING DATE: 2000-05-24
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/2030,335
PRIOR PILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
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                                              Score 34; DB 4; Length 341;
Pred. No. 5.1e+02;
1; Mismatches 1; Indels
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US-10-425-115-290829
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Sequence 76935, Application US/10282122A
Fublication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
                                              66.7%;
75.0%;
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Zyskind, Judith
Wall, Daniel
Trawick, John
Carr, Grant
Yamamoto, Robert
Forsyth, R.
                                         Query Match
Best Local Similarity 75.0
Matches 6; Conservative
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Matches 6; Conservative
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275 EARGGYAY 282
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US-10-425-114-41240
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APPLICANT: BATRA, Saleev
APPLICANT: LU, Dyung Aina M.
APPLICANT: SANJAWALA, Madhu S.
APPLICANT: RAWIZU, Chandra
APPLICANT: RAWIZU, Chandra
APPLICANT: RAWIZU, Chandra
APPLICANT: RAWIZU, Chandra
APPLICANT: GRIFFIN, Jennifer A.
APPLICANT: AIRALY Rajagopal
APPLICANT: AIRALY Rajagopal
APPLICANT: AIRALY, Yania
APPLICANT: SURFORD, Neil
ITILE OF INNERINO: CTYOSKLETON-ASSOCIATED PROTEINS
FILE REFERENCE: PF-022 USN
CURRENT FILING DATE: 2001-10-26
PRIOR APPLICATION NUMBER: US 60/244,022
PRIOR APPLICATION NUMBER: US 60/244,022
PRIOR APPLICATION NUMBER: US 60/244,022
PRIOR APPLICATION NUMBER: US 60/247,370
PRIOR PRIOR APPLICATION NUMBER: US 60/251,831
PRIOR PRIOR PRIOR DATE: 2000-11-08
PRIOR FILING DATE: 2000-12-07
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PROGRAM
SEQ ID NO 3
LENGTH: 570
ILENGTH: 570
ILENGTH: 570
ILENGTH: 570
ILENGTH: STO
OKCANIEM: Homo sapiens
FEATURE:
NAMEKEY: misc feature
OCHER INFORMATĪON: Incyte ID No. US2004404184AI 7091536CD1
US-10-415-187-3
BUSCH LOCAL SIMILATITY 50.0%; Pred, No. 8.6+402; Indels 0; Gaps 0;
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Search completed: December 14, 2005, 07:37:53 Job time : 47.8621 secs

1 EARGSYAFDI 10 :|:| | ||: 36 DAKGQYLFDL 45

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4318, Ap

92, Appl

49, Appl

51, Appl

51, Appl

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61, Appl

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62, Appl

1066, App

1060, Appl

1010, Appl

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14, Appl

14, Appl

1468, Appl
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1786, Ap
24, Appl
64, Appl
1580, Ap
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3226, Ap
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US-10-131-826A-242
US-10-131-826A-242
US-11-069-642-92
US-11-069-642-49
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US-11-075-185-28
   445
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61935, Ap
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8122, Ap
22112, Ap
20137, Ap
20137, Ap
1594, App
1594, App
1686, App
1686, App
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1686, App
1992, App
1932, App
1932, App
1952, Ap
1953, Ap
1953, Ap
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1: /cgn2_6/ptodata/1/pubpaa/USO9 NEW PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/USO6 NEW PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/USO7 NEW PUB.pep:*
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5: /cgn2_6/ptodata/1/pubpaa/USO7 NEW PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/USIO NEW PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/USIO NEW PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/USIO NEW PUB.pep:*
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                  GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
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US-11-054-515-3185
US-10-467-657-6894
US-10-654-515-3156
US-11-054-515-3156
US-11-054-515-2018
US-11-054-515-2018
US-11-054-515-908
US-11-054-515-908
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US-11-054-515-908
US-11-054-515-340
US-11-054-515-32018
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Maximum Match 100%
Listing first 100 summaries
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Gapop 10.0 , Gapext 0.5
                                                                                                             December 14, 2005,
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Maximum DB seq length: 200000000
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Sequence 6894, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
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; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6894
   FILING DATE: 2001-12-19
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Homo sapiens
US-11-054-515-1935
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Sequence 1771, Ap
Sequence 122, App
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US-11-034-515-3189
US-11-034-515-3189
Sequence 3185, Application US/11054515
Publication No. US2005025532A1
SEMERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REPRERNCE: PF523P3
CURRENT PAPLICATION NUMBER: 60/543,296
PRIOR PELING DATE: 2004-02-11
PRIOR PELING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
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; Bublication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REPERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT PILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR PILING DATE: 2004-06-11
; PRIOR PILING DATE: 2004-11-14
; PRIOR PILING DATE: 2002-11-14
; PRIOR PILING DATE: 2002-11-14
; PRIOR PILING DATE: 2002-11-14
; PRIOR PILING DATE: 2003-11-14
; PRIOR PILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR APPLICATION NUMBER: 60/331,469
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US-11-054-515-1771
US-10-763-712A-122
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100.0%; Pred. No. v...
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Best Local Similarity 100.
Matches 7; Conservative
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; ORGANISM: Homo sapiens
US-11-054-515-3185
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US-11-054-515-1935
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PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR PELLING DATE: 2001-06-15
PRIOR PELLING DATE: 2001-06-25
PRIOR PELLING DATE: 2001-03-21
PRIOR PELLING DATE: 2001-03-21
PRIOR PELLING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR PELLING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR PELLING DATE: 2000-10-17
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Pred. No. 20;
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US-101-467-657-8122
Sequence 8122, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON Spa
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNAN Vega
APPLICANT: MASIGNAN Vega
APPLICANT: MASIGNAN Vega
APPLICANT: MASIGNAN GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
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APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNAI Vega
APPLICANT: MONAGINAII Vega
APPLICANT: MONAGINAII OGONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
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CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 6894
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CURRENT APPLICATION NUMBER: 05/11/054,515

CURRENT PELE KREKENCE: PE2278: US/11/054,515

CURRENT FILING DATE: 2005-02-10

PRICA PELICATION NUMBER: 60/580,347

PRICA FILING DATE: 2004-06-18

PRICA FILING DATE: 2004-06-18

PRICA FILING DATE: 2002-11-14

PRICA FILING DATE: 2002-11-16

PRICA PLICATION NUMBER: 60/331,469

PRICA PLICATION NUMBER: 60/331,469

PRICA PLICATION NUMBER: 60/340,817

PRICA PLICATION NUMBER: 60/240,817

PRICA FILING DATE: 2001-12-19

PRICA PLICATION NUMBER: 60/293,499

PRICA PLICATION NUMBER: 60/240,816

PRICA PRICA PAPLICATION NUMBER: 60/240,816

PRICA PLICATION NUMBER: 60/240,816

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PRICA PLICATION NUMBER: 60/240,816

PRICA PRICA PAPLICATION NUMBER: 60/240,816

PRICA PLICATION NUMBER: 
              T: Ruben et al.
INVENTION: Antibodies that Immunospecifically Bind BLyS
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APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: FONTANA Maria Rita
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCAL PROTEINS AND NUCLEIC ACIDS
FILE REPERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT PILIGN DATE: 2003-08-11
PRIOR APPLICATION NUMBER: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqMin99, version 1.04
SEQ ID NO 2712
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Pred. No. 5.1;
3; Mismatches 1; Indels
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; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2712
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US-11-054-515-2183
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Best Local Similarity
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Best Local Similarity
Matches 6; Conserv
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PRIOR APPLICATION NUMBER: 60/543,296

PRIOR FILING DATE: 2004-02-11

PRIOR FILING DATE: 2004-02-11

PRIOR PELING DATE: 2004-02-11

PRIOR PELING DATE: 2004-02-18

PRIOR PELING DATE: 2001-11-14

PRIOR PELING DATE: 2001-11-16

PRIOR PELING DATE: 2001-11-16

PRIOR PELING DATE: 2001-11-16

PRIOR PELING DATE: 2001-12-19

PRIOR PELING DATE: 2001-12-19

PRIOR PELING DATE: 2001-06-15

PRIOR PELING DATE: 2001-06-15

PRIOR PELING DATE: 2001-06-15

PRIOR PELING DATE: 2001-05-16

PRIOR PELING DATE: 2000-03-11

PRIOR PELING DATE: 2000-03-14

PRIOR PELING DATE: 2000-10-16

PRIOR PELING DATE: 2000-10-17

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Publication No. US2005025532A1
GENERAL INFORMATION.
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
TITLE REPERBNER. PF5.3P73
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 9122
LENGTH: 524
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                                                                                                                                                                                                                                                                                                                            ORGANISM: Neisseria gonorrhoeae
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Best Local Similarity 75.v
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Matches 6; Conservative
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; ORGANISM: Homo sapiens
US-11-054-515-3156
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RGNQAFDI 9
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US-11-054-515-2183
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APPLICATION NUMBER: 60/277,379
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Best Local Similarity 100.
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ORGANISM: Homo sapiens
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US-11-054-515-1594
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112 SYAFDI 117
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Best Local Similarity
Matches 6; Conserv
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US-11-074-176-340
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                                                                                                   Sequence 2037, Application US/11054515
Publication No. US2005025532A1
Sequence 2037, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: FF523P3
CURRENT APPLICATION NUMBER: 60/543,296
FRIOR PELING DATE: 2005-02-10
FRIOR PELING DATE: 2004-06-18
FRIOR PELING DATE: 2004-06-18
FRIOR PELING DATE: 2002-11-14
FRIOR PELING DATE: 2002-11-14
FRIOR PELING DATE: 2001-11-16
FRIOR PELING DATE: 2001-11-2-19
FRIOR PELING DATE: 2001-12-19
FRIOR PELING DATE: 2001-12-19
FRIOR PELING DATE: 2001-06-15
FRIOR PELING DATE: 2001-06-15
FRIOR PELING DATE: 2001-06-15
FRIOR PELING DATE: 2001-06-15
FRIOR PELING DATE: 2001-06-15
FRIOR PELING DATE: 2001-03-21
FRIOR PELING DATE: 2001-03-21
FRIOR PELING DATE: 2001-03-21
FRIOR APPLICATION NUMBER: 60/277,379
FRIOR PELING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-31
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US-11-054-515-908

US-11-054-515-908

Sequence 908, Application US/11054515

Publication No. US20050255532A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523P3

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT PILING DATE: 2004-02-10

PRIOR APPLICATION NUMBER: 60/543,296

PRIOR FILING DATE: 2004-06-18

PRIOR PRIOR APPLICATION NUMBER: 60/500,347

PRIOR PRIOR APPLICATION NUMBER: 60/293,418

PRIOR FILING DATE: 2002-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-19

PRIOR FILING DATE: 2001-11-19

PRIOR FILING DATE: 2001-11-19

PRIOR FILING DATE: 2001-10-19

PRIOR FILING DATE: 2001-06-25

PRIOR FILING DATE: 2001-06-25
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Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-2037
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                                                                                         US-11-054-515-2037
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US-11-054-15-1594

Sequence 1594, Application US/11054515

Publication No. US2005025532A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REPERENCE: 2005-02-10

FRIOR PELICATION NUMBER: 60/543,296

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR FILING DATE: 2004-06-18

PRIOR PELICATION NUMBER: 60/331,469

PRIOR FILING DATE: 2001-11-16

PRIOR PELICATION NUMBER: 60/331,499

PRIOR PELING DATE: 2001-06-15

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-16

PRIOR PELING DATE: 2001-03-16

PRIOR PELING DATE: 2001-03-16

PRIOR PELING DATE: 2001-03-16

PRIOR PELING DATE: 2001-03-17

PRIOR PELING DATE: 2001-03-17

PRIOR PELING DATE: 2001-03-16

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PRIOR PELING DATE: 2001-03-17

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PRIOR PELING DATE: 2001-03-17

PRIOR PELING DATE: 2001-03-16

PRIOR PELING DATE: 2001-03-17

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PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
LENGTH: 251
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60.8%; Score 31; DB 7; Length 251; 100.0%; Pred. No. 18; 0; Indels :ive 0; Mismatches 0; Indels
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Gaps

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APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
TITLE OF INVENTION: WINBER: US/11/054,515
CURRENT APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR PELLORION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR PELLORION NUMBER: 60/580,347
PRIOR APPLICATION NUMBER: 10/293,418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 8400, Application US/10467657

Sequence 8400, Application US/10467657

Publication No. US20050260581A1

GENERAL INFORMATION:

APPLICANT: CHIRON SpA

APPLICANT: FONTANN Maria Rita

APPLICANT: PIZZA Mariagrazia

APPLICANT: MONACI Elisabetta

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REFERENCE:

CURRENT APPLICATION NUMBER: US/10/467,657

CURRENT PILING DATE: 2003-08-11

FRIOR APPLICATION NUMBER: GB-0103424.8

PRIOR PILING DATE: 2010-02-12

NUMBER OF SEQ ID NOS: 9218

SOFTWARE: SeqWin99, version 1.04

LENGTH: 1006
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HAPLICANT: MASIGNANI Vega

HAPLICANT: MONACI Elisabetta

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT PILIGENCE:
PRIOR APPLICATION NUMBER: US/10/467,657
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqMin99, version 1.04
SEQ ID NO 1686
LENGTH: 778
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                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 60.8
Best Local Similarity 62.5
Matches 5; Conservative
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645 RGAYALDL 652
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US-10-467-657-8400
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; Sequence 150, Application US/11074176
; Publication No. US205025035A1
; GENERAL INFORMATION:
; APPLICANT: Russell, William M.
; APPLICANT: Russell, William M.
; APPLICANT: Russell, William M.
; APPLICANT: Paril, Addrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT FILING DATE: 2005-03-07
; FRIOR APPLICATION NUMBER: 60/551,161
; RROR APPLICATION NUMBER: 60/551,161
; RROR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 150
; LENGTH: 697
                                                     APPLICANT: Klaenhammer, Todd R.
APPLICANT: Klaenhammer, Todd R.
APPLICANT: Altermann, Eric
APPLICANT: Altermann, Eric
APPLICANT: Activation of the control o
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Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PONTANA Maria Rita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-340
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US-11-074-176-150
Publication No. US20050250135A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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LENGTH: 694
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RESULT 18
US-10-793-626-1932
is Sequence 1932, Application US/10793626
j Sequence 1932, Application US/10793626
j Publication No. US20050255478A1
j GENERAL INFORMATION:
j TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
j FILE REFERENCE: PU3480US
j CURRENT APPLICATION NUMBER: US/10/793,626
j CURRENT FILING DATE: 2004-03-04
j PRIOR FILING DATE: 1999-11-09
j NUMBER OF SEQ ID NOS: 4472
j SEQ ID NO 1932
j SEQ ID NO 1932
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is Sequence 40, Application US/11074176

js Publication No. US20050250135A1

igeneral involvation:
   APPLICANT: Klaenhammer, Todd R.
   APPLICANT: Russell, William M.
   APPLICANT: Altermann, Eric
   APPLICANT: Altermann, Eric
   APPLICANT: Peril, Andrea Accarate
   TITLE OF INVENTION: Nucleic Acid Sequences Encoding
   TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
   FILE REFERENCE: 5051-694
   CURRENT APPLICATION NUMBER: US/11/074,176
   CURRENT APPLICATION NUMBER: 60/551,161
   PRIOR APPLICATION NUMBER: 60/551,161
   PRIOR APPLICATION NUMBER: 60/551,161
   NUMBER OF SEQ ID NOS: 381
   SOFTWARE: FastSEQ for Windows Version 4.0
   SEQ ID NO 40
   LENGTH: 195
   TURENT: DOWN NUMBER: CREATER NUMBER: CREATER NUMBER: CREATER NUMBER: CONSTRUCTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: amino acid sequence
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Pred. No. 21;
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71.4%; Pred. No. 25;
ive 1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 66.
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Best Local Similarity 71.4
Matches 5; Conservative
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213 GTYCFDI 219
                                                           4 GSYAFDI 10
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                                                                                                                              11 GSYAMDV 17
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FILE REFERENCE: PF523140
FILE REFERENCE: PF523140
FILE REFERENCE: PF523140
FILE REFERENCE: PF523140
FRIOR APPLICATION NUMBER: 60/543,296
FRIOR APPLICATION NUMBER: 60/543,296
FRIOR PELING DATE: 2004-06-18
FRIOR APPLICATION NUMBER: 60/580,347
FRIOR APPLICATION NUMBER: 60/531,469
FRIOR PELING DATE: 2000-11-14
FRIOR APPLICATION NUMBER: 60/314,69
FRIOR FILING DATE: 2001-12-19
FRIOR APPLICATION NUMBER: 60/314,69
FRIOR APPLICATION NUMBER: 60/340,817
FRIOR APPLICATION NUMBER: 60/249,48
FRIOR APPLICATION NUMBER: 60/249,48
FRIOR APPLICATION NUMBER: 60/277,379
FRIOR FILING DATE: 2001-06-15
FRIOR PELING DATE: 2001-06-15
FRIOR APPLICATION NUMBER: 60/277,379
FRIOR PELING DATE: 2001-03-21
FRIOR APPLICATION NUMBER: 60/276,248
FRIOR APPLICATION NUMBER: 60/276,248
FRIOR PELING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2000-10-17
FRIOR FILING DATE: 2000-10-17
FRIOR FILING DATE: 2000-10-17
FRIOR FILING DATE: 2000-10-17
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FRIOR FILING DATE: 2000-10-17
PRIOR FILING DATE: 2002-11-14
PRIOR FILING DATE: 2001-11-16
PRIOR PRILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-11-16
PRIOR PELICATION NUMBER: 60/340,817
PRIOR PELICATION NUMBER: 09/880,748
PRIOR PELICATION NUMBER: 09/880,748
PRIOR PELICATION NUMBER: 60/293,499
PRIOR PELICATION NUMBER: 60/293,499
PRIOR PELICATION NUMBER: 60/277,379
PRIOR PELICATION NUMBER: 60/277,379
PRIOR PELICATION NUMBER: 60/276,248
PRIOR PELICATION NUMBER: 60/276,248
PRIOR PELICATION NUMBER: 60/240,816
PRIOR PELICATION NUMBER: 60/240,816
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PRIOR PELICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR PELICATION NUMBER: 60/240,816
PRIOR PELICATION NUMBER: 60/240,816
PRIOR APPLICATION NUMBER: 60/240,816
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58.8%; Score 30; DB 3

Best Local Similarity 71.4%; Pred. No. 1.4;

Matches 5; Conservative 1; Mismatches
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Publication No. US2005025532A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 ARGSYAFDI 10
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US-11-054-515-2201
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US-11-054-515-2201
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Gequence 322, Application US/10793626
Publication No. US2005025547841
GENERAL INFORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPPLICACCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PAtentin Ver. 2.1
SEQ ID NO 322
LENGTH: 429
                                                                                                                                                                                                                    US-11-054-515-1833

US-11-054-515-1833

US-11-054-515-1833

Publication No. US2005025532A1

Sequence 1893, Application US/11054515

Publication No. US2005025532A1

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: 2005-02-10

PRIOR FILING DATE: 2006-02-11

PRIOR FILING DATE: 2004-06-18

PRIOR FILING DATE: 2004-06-18

PRIOR FILING DATE: 2002-11-16

PRIOR FILING DATE: 2002-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-11-16

PRIOR FILING DATE: 2001-12-19

PRIOR FILING DATE: 2001-12-19

PRIOR FILING DATE: 2001-06-15

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-17

PRIOR FILING DATE: 2001-03-16

PRIOR PRIOR APPLICATION NUMBER: 60/240,816

PRIOR PRIOR PRIOR APPLICATION NUMBER: 60/240,816

PRIOR PRIOR PRIOR APPLICATION NUMBER: 60/240,816

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Pred. No. 29;
1; Mismatches 1; Indels
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Best Local Similarity 71.4%;
Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
CRGANISM: Homo Bapiens
US-11-054-515-1893
                                                                         134 RGFHAFDV 141
          3 RGSYAFDI 10
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US-10-793-626-322
          8 6
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                                                                                GENERAL INFORMATION:

JEDRICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR PILING DATE: 2006-02-11
PRIOR PLING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-02-11
PRIOR PLING DATE: 2004-06-18
PRIOR PLING DATE: 2001-11-14
PRIOR FILING DATE: 2001-11-14
PRIOR PLING DATE: 2001-11-16
PRIOR PLING DATE: 2001-11-16
PRIOR PLING DATE: 2001-12-19
PRIOR PLING DATE: 2001-01-2-19
PRIOR PLING DATE: 2001-01-2-19
PRIOR PLING DATE: 2001-05-25
PRIOR PLING DATE: 2001-05-25
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-21
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PRIOR PLING DATE: 2001-03-21
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SEQ ID NO 1957
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Publication No. US20050260581A1

GENERAL INFORMATION:

APPLICANT: CHIRON SpA

APPLICANT: CHIRON Amria Rita

APPLICANT: PIZZA Mariagrazia

APPLICANT: MASIGNANI Vega

APPLICANT: MASIGNANI Vega

APPLICANT: MONACI Elisabetta

ITILE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REPERENCE:

CURRENT APPLICATION NUMBER: US/10/467,657

CURRENT FILING DATE: 2003-08-11

PRIOR APPLICATION NUMBER: GB-0103424.8

PRIOR FILING DATE: 2001-02-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         58.8%; Score 30; DB 7; Length 249; 66.7%; Pred. No. 28; 2; Indels tive 1; Mismatches 2; Indels
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Sequence 1957, Application US/11054515
Publication No. US20050255532A1
GENERAL INFORMATION:
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SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 3128
LENGTH: 252
TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3128
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Best Local Similarity 66.7
Matches 6; Conservative
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; ORGANISM: Homo sapiens
US-11-054-515-1957
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Best Local Similarity
Matches 5; Conserv
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US-10-467-657-3128
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Gaps

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1; Mismatches
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  APPLICATION NUMBER: DE 19931549.3
                                                                                                                                                                                                                                                                      ; ORGANISM: Corynebacterium glutamicum
US-11-082-389-424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 4090, Application US/10467657; Publication No. US20050260581A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                     56.9%;
nilarity 71.4%;
Conservative
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22 RGERAFDI 29
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Best Local Similarity
Matches 6; Conserv
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nes 5; Conserv
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                                                                                                                                                                                                                                                       TYPE: PRT
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Matches
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Publication No. US2000244935A1

GENERAL INFORMATION:
APPLICANT: Pompejue, Markus
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: APPLICANT: APPLICANT: Haberhauer, Gokar
TITLE OF INVENTION: UNVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
TITLE OF INVENTION: TRANSPORT
FILE REFERENCE: BGI-131CPCN
CURRENT APPLICATION NUMBER: US 11/082,389
CURRENT FILING DATE: 2005-03-16
PRIOR APPLICATION NUMBER: US 60/141031
PRIOR PRILING DATE: 1999-06-25
PRIOR PAPLICATION NUMBER: US 60/141031
PRIOR PLILNG DATE: 1999-06-25
PRIOR PLILNG DATE: 1999-06-25
PRIOR PLILNG DATE: 1999-08-27
PRIOR PLILNG DATE: 1999-08-27
PRIOR PLILNG DATE: 1999-08-27
PRIOR PLILNG DATE: 1999-08-27
PRIOR PLILNG DATE: 1999-07-01
PRIOR FILING DATE: 1999-07-01
PRIOR FILING DATE: 1999-07-01
PRIOR FILING DATE: 1999-07-01
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US-10-467-657-1428
Sequence 3428, Application US/10467657
PUBLICATION OF USZO050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: POUTANA MARIA Rita
APPLICANT: POUTANA MARIA RITA
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
APPLICANT: MONACI Elisabetta
CHIRE REFERENCE:
CURRENT APPLICATION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
SOFTWARE: SeqWin99, version 1.04
SEQ ID NOS: 9218
SEQ ID NOS: 9218
SEQ ID NOS: 9218
SEQ ID NOS: 9218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          57.8%; Score 29.5; DB 6; Length 212; 70.0%; Pred. No. 30;
                                                          Score 30; DB 6; Length 429;
Pred. No. 51;
3; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
; OTHER INFORMATION: amino acid sequence US-10-793-626-322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                          Query Match
Best Local Similarity 40.0%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7; Conservative
                                                                                                                                                 1 EARGSYAFDI 10
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41 EGHGAYLYDV 50
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66 EGKGSYANFD 75
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Matches 7; Conserv
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US-11-082-389-424
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Gaps
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PRIOR FILING DATE: 1999-07-08
PRIOR FILING DATE: 1999-07-08
PRIOR PLING DATE: 1999-07-08
PRIOR PLING DATE: 1999-07-09
PRIOR PLING DATE: 1999-07-09
PRIOR PILING DATE: 1999-07-09
PRIOR PILING DATE: 1999-08-31
PRIOR FILING DATE: 1999-08-31
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 446
LENGTH: 154
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Publication No. US2005025532A1

GENERAL INPORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF53P3

CURRENT PILING DATE: 2005-02-10

PRIOR FILING DATE: 2004-02-11

PRIOR FILING DATE: 2004-02-11

PRIOR FILING DATE: 2004-06-18

PRIOR PILING DATE: 2004-06-18

PRIOR PILING DATE: 2004-06-18

PRIOR PILING DATE: 2004-06-18
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APPLICANT: FONTANA Maria Rita
APPLICANT: FONTANA Maria Rita
APPLICANT: POZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SegWing9, version 1.04
SEQ ID NO 4090
                                                                                                                                                                                                                                                                                                                                                                                                                            Score 29; DB 7; Length 154;
Pred. No. 26;
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Gaps

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1; Indels

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PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR PILING DATE: 1997-09-19
PRIOR PILING DATE: 1997-09-19
PRIOR PILING DATE: 1997-09-19
PRIOR PILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
LENGTH: 284
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APPLICANT: LORENS, JAMES B.
APPLICANT: PRAY, TODD R.
APPLICANT: PRAY, TODD M.
APPLICANT: RINSELLA, TODD M.
APPLICANT: BENNETT, MARK K.
TITLE OF INVENTION: IN VIVO PRODUCTION OF CYCLIC PEPTIDES FOR TITLE OF INVENTION: IN HIBITING PROTEIN-PROTEIN INTERACTION FILE REFERENCE: RIGL-022CIP3
CURRENT APPLICATION NUMBER: US/11/069,642
CURRENT FILING DATE: 2005-02-28
PRIOR APPLICATION NUMBER: 10/232,758
PRIOR PLING DATE: 2002-08-30
PRIOR PELING DATE: 2002-08-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: CHIRON SpA
APPLICANT: FORTANA Maria Rita
APPLICANT: FORTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT FILING DATE: 2003-08-11
PRIOR PILING DATE: 2001-02-12
NUMBER: OF SEQ ID NOS: 9218
SOFTWARE: SEQ ID NOS: 9218
SOFTWARE: SEQ ID NOS: 9218
SEQ ID NO 4318
LENGTH: 339
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Pred. No. 63;
0; Mismatches 2; Indels
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; Sequence 4318, Application US/10467657
; Publication No. US20050260581A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             56.9%;
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illarity 44.4%;
Conservative
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Best Local Similarity 77.8
Matches 7; Conservative
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                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-826A-242
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Best Local Similarity
Matches 4; Conserv
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APPLICANT: Abrag, Zenain
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P33.3081C128
CURRENT APPLICATION NUMBER: US.10/131,826A
CURRENT FILING DATE: 2002-04-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                            Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
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PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR PILING DATE: 2001-11.16
PRIOR PRILOR DATE: 2001-11.16
PRIOR PELING DATE: 2001-12-19
PRIOR PELING DATE: 2001-6-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR PILING DATE: 2001-6-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
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PRIOR FILING DATE: 1997-06-10
PRIOR FILING DATE: 1997-06-10
PRIOR FILING DATE: 1997-06-10
PRIOR PLING DATE: 1997-06-10
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059112
PRIOR APPLICATION NUMBER: 60/059122
PRIOR APPLICATION NUMBER: 60/059184
PRIOR PILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
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; Publication No. US20050245730A1
; GENERAL INFORMATION:
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Filvaroff, Ellen
Gao, Wei-Qiang
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Watanabe, Colin K
Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
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Gurney, Austin L.
Sherwood, Steven
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96 ARGSLYYDI 104
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; ORGANISM: Homo sapiens
US-11-054-515-1333
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APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
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APPLICANT: FRAY, TODD R.

APPLICANT: KINSELLA, TODD M.

APPLICANT: BENNETT, MARK K.

TITLE OF INVENTION: INVIVO PRODUCTION OF CYCLIC PEPTIDES FOR TITLE OF INVENTION: INVIVO PROTEIN-PROTEIN INTERACTION TITLE OF INVENTION: INVINO PROTEIN-PROTEIN INTERACTION FILE REFERENCE: RIGL-022CIP3

CURRENT FILING DATE: 2005-02-28

PRIOR FILING DATE: 2003-04-23

PRIOR FILING DATE: 2003-04-23

PRIOR APPLICATION NUMBER: 09/480,770

PRIOR PILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

NUMBER OF SEQ ID NOS: 168

SOFTWARE: PALENTIN VERSION 3.2

SOFTWARE: PALENTIN VERSION 3.2
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Pred. No. 84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 29, DB 7; Length 438;
Pred. No. 84;
2; Mismatches 2; Indels
          TITLE OF INVENTION: INHIBITING PROTEIN-PROTEIN INTERACTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
                         THILE TEREBRUCE: RIGL-022CIP3
CURRENT APPLICATION NUMBER: US/11/069,642
CURRENT FILING DATE: 2005-02-28
PRIOR APPLICATION NUMBER: 10/32,758
PRIOR PILING DATE: 2002-08-30
PRIOR PILING DATE: 2003-04-23
PRIOR PILING DATE: 2003-06
PRIOR PILING DATE: 2001-03-06
PRIOR PILING DATE: 
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Publication No. US20050260626A1
GENERAL INFORMATION:
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US-11-069-642-53
IS-11-069-642, Application US/11069642
Publication No. US20050260626A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Synechocystis PCC6803
US-11-069-642-49
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US-11-069-642-51
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Best Local Similarity 50.0%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 50.0°
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US-11-069-642-51
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APPLICANT: LORENS, JAMES B.
APPLICANT: PRAY, TODD R.
APPLICANT: RINSELLA, TODD M.
APPLICANT: RINSELLA, TODD M.
APPLICANT: BENNETT, MARK K.
TITLE OF INVENTION: INHIBITING PROTEIN-PROTEIN INTERACTION
TITLE OF INVENTION: INHIBITING PROTEIN-PROTEIN INTERACTION
FILE REPERENCE: RIGL-02C1P3
CURRENT APPLICATION NUMBER: US/11/069,642
CURRENT FILING DATE: 2002-08-30
PRIOR FILING DATE: 2002-08-30
PRIOR FILING DATE: 2003-04-23
PRIOR FILING DATE: 2003-04-23
PRIOR FILING DATE: 2001-03-06
PRIOR APPLICATION NUMBER: 09/800,770
PRIOR APPLICATION NUMBER: 60/187,130
PRIOR APPLICATION NUMBER: 60/187,130
PRIOR APPLICATION NUMBER: 60/187,130
PRIOR SEQ ID NOS: 168
SOFTWARE: PALGENTIN VERSION 3.2
SEQ ID NO 47
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Publication No. US20050260626A1
GENERAL INFORMATION:
APPLICANT: LORENS, JAMES B.
APPLICANT: PRAY, TODD R.
APPLICANT: KINSELLA, TODD M.
APPLICANT: BENNET, MARK K.
TITLE OF INVENTION: IN VIVO PRODUCTION OF CYCLIC PEPTIDES FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: DnaB intein cyclization scaffold with GFP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 56.9%; Score 29; DB 7; Length 437; Best Local Similarity 50.0%; Pred. No. 84; Matches 4; Conservative 2; Mismatches
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PRIOR FILING DATE: 2003-04-23
PRIOR APPLICATION NUMBER: 09/800,770
PRIOR APLING DATE: 2000-03-06
PRIOR APPLICATION NUMBER: 60/187,130
PRIOR FILING DATE: 2000-03-06
NUMBER OF SEQ ID NOS: 168
SOFTWARE: Patentin version 3.2
SEQ ID NO 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 47, Application US/11069642; Publication No. US20050260626A1; GENERAL INFORMATION:
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US-11-069-642-47
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ORGANISM: Artificial sequence
PEATURE:
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424 RGQYPYDV 431
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424 RGQYPYDV 431
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US-11-069-642-47
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JOSTICL 1069-642

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Publication No. US20050260541

GENERAL INFORMATION:

APPLICANT: LORENS, JAMES B.

APPLICANT: ENRAY, TODD R.

APPLICANT: RINSELA, TODD M.

APPLICANT: RISELA, TODD M.

APPLICANT: BENNETT, WARK K.

TITLE OF INVENTION: INHIBITING PROTEIN INTERACTION FILE OF INVENTION NUMBER: 10/22.28

CURRENT APPLICATION NUMBER: 10/42,536

PRIOR FILING DATE: 2002-08-30

PRIOR FILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

NUMBER OF SEQ ID NOS: 168

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 57

LINGTH: 438
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; ORGANISM: Synechocystis PCC6803
US-11-069-642-57
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; ORGANISM: Synechocystis PCC6803
US-11-069-642-59
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424 RGQYPYDV 431
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Best Local Similarity
Matches 4; Conserva
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US-11-069-642-59
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APPLICANT: LORENS, JAMES B.
APPLICANT: PRAY, TODD R.
APPLICANT: RAY, TODD R.
APPLICANT: KINSELLA, TODD M.
APPLICANT: BENNETLA, TODD M.
APPLICANT: BENNETLA, MARK K.
TITLE OF INVENTION: INHIBITING PROTEIN INTERACTION
TITLE OF INVENTION: INHIBITING PROTEIN INTERACTION
FILE SFERENCE: RIGL-022CTP3
CURRENT APPLICATION NUMBER: US/11/069,642
CURRENT APPLICATION NUMBER: 10/232,758
PRIOR PAPLICATION NUMBER: 10/232,758
PRIOR FILING DATE: 2003-06-30
PRIOR APPLICATION NUMBER: 10/422,536
PRIOR APPLICATION NUMBER: 09/800,770
PRIOR APPLICATION NUMBER: 09/800,770
PRIOR FILING DATE: 2001-03-06
PRIOR FILING DATE: 2000-03-06
NUMBER OF SEQ ID NOS: 168
SOFTWARE: PALENTIN VENESION 3.2
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| Publication No. US200502602641
| GENERAL INPORMATION:
| APPLICANT: LORENS, JAMES B.
| APPLICANT: EDRENS, TODD R.
| APPLICANT: RINBELLA, TODD R.
| APPLICANT: RINBELLA, TODD M.
| APPLICANT: BENNETT, MARK K.
| TITLE OF INVENTION: IN VIVO PRODUCTION OF CYCLIC PEPTIDES FOR TITLE OF INVENTION: INHIBITING PROTEIN-PROTEIN INTERACTION FILE REFERENCE: RIGL-022CIP3 |
| CURRENT APPLICATION NUMBER: US/11/069,642 |
| CURRENT FILING DATE: 2005-02-28 |
| PRIOR FILING DATE: 2002-08-30 |
| PRIOR FILING DATE: 2001-03-06 |
| PRIOR FILING DATE: 2001-03-06 |
| PRIOR FILING DATE: 2001-03-06 |
| PRIOR FILING DATE: 2001-03-06 |
| NUMBER OF SEQ ID NOS: 168 |
| SEOTID NOS: 168 |
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US-11-069-642-53
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; ORGANISM: Synechocystis PCC6803
US-11-069-642-55
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424 RGQYPYDV 431
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US-11-069-642-55
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LENGTH: 438
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LENGTH: 438
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ö ö h Similarity 50.0%; Pred. No. 84; 438; 4; Conservative 2; Mismatches 2; Indels

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WS-10-793-626-1066

Sequence 1066, Application US/10793626

Publication No. US20050255478A1

SEQUENCE 1066, Application US/10793626

Publication No. US20050255478A1

SERWERAL INFORMATION:
TITHE OF INVERTION: STAPPHILOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS

FILE REFERENCE: PU3480US

CURRENT APPLICATION NUMBER: US/10/793,626

CURRENT FILING DATE: 1999-11-09

NUMBER OF SEQ ID NOS: 4472

NUMBER OF SEQ ID NOS: 4472

SEQ ID NO 1066

LIENGTH: 826
                                                                                                                                                                                                                                                                       Squence 960, Application US/10793626
Publication No. US20050255478A1
GENERAL INFORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PUJ480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT PILING DATE: 1090-10-09
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PATENTIN VET. 2.1
SEQ ID NO 960
LENGTH: 463
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ROGANISM: Artificial Sequence

PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic;
OTHER INFORMATION: amino acid sequence
FEATURE:
NAME/KEY: MOD_RES

LOCATION: (463)

COTHER INFORMATION: variable amino acid
US-10-793-626-960
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                      DB 7; Length 438;
84;
                                                                    2; Indels
                      Query Match 56.9%; Score 29; DB Best Local Similarity 50.0%; Pred. No. 84; Matches 4; Conservative 2; Mismatches
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NAME/KEY: MOD RES

LOCATION: (826)

CHER INFORMATION: variable amino acid

1S-10-793-626-1066
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142 EANGASAFNI 151
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US-10-793-626-960
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                                                                              RESULT 37

US-11-069-642-61

is Gequence 61, Application US/11069642

is Dublication No. US2005260626A1

is GENERAL INFORMATION:

is APPLICANT: LORRAY, JAMES B.

APPLICANT: RINSELLA, TODD M.

APPLICANT: RINSELLA, TODD M.

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TITLE OF INVENTION: INHIBITING PROTEIN INTERACTION

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FILE REPRESENCE: RICL-0220183

CURRENT PILING ADTE: 2005-02-28

PRIOR APPLICATION NUMBER: 10/422,536

PRIOR FILING DATE: 2000-08-30

PRIOR FILING DATE: 2000-04-23

PRIOR FILING DATE: 2000-04-23

PRIOR FILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

PRIOR FILING DATE: 2001-03-06

NUMBER OF SEO ID NOS: 168

SOFTWARE: PATENTIN VETSION 3.2

SEOTUMARE: PATENTIN VETSION 3.2

SEOTUMARE: PATENTIN VETSION 3.2
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| Sequence 6.3. Application US/11069642
| Publication No. US20050260626A1
| GENERAL INFORMATION:
| APPLICANT: LORENS, JAMES B.
| APPLICANT: ERAY, TODD R.
| APPLICANT: RINSELAA, TODD M.
| APPLICANT: RINSELAA, TODD M.
| APPLICANT: RENNETT, MARK K.
| TITLE OF INVENTION: IN VIVO PRODUCTION OF CYCLIC PEPTIDES FOR ITLE OF INVENTION: INTHIBITING PROTEIN INTERACTION FILE REPERENCE: RIGL-022CIP3
| CURRENT FILING DATE: 2005-02-28
| PRIOR FILING DATE: 2005-02-28
| PRIOR FILING DATE: 2005-03-36
| PRIOR FILING DATE: 2001-03-06
| PRIOR FILING DATE: 2001-03-06
| PRIOR FILING DATE: 2001-03-06
| PRIOR FILING DATE: 2000-03-06
| PRIOR FILING DATE: 2000-03-06
| NUMBER OF SEQ ID NOS: 168
| SOFTWARE: PATENTIN VERBING 3.2
| SEQ ID NO 63
| LENGTH: 438
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Search completed: December 14, 2005, 07:38:15 Job time : 3.10345 secs

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Copyright (c) 1993 - 2005 Compugen Ltd.
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Gapop 10.0 , Gapext 0.5
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B75079
AH1247
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51
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1 EARGSYAFDI 10
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Matches
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                                                                                                                         protocatechuate 3,4-dioxygenase (EC 1.13.11.3) alpha chain [imported] - Streptomyces sp. C; Species: Streptomyces bp. C; Species: Streptomyces bp. C; Species: Order and Streptomyces bp. C; Species: 17-mar-2000 #sequence_revision 17-mar-2000 #text_change 09-Jul-2004 C; Accession: T47113
R; Yang, K.; Iwagami, S.; Davies, J.E. submitted to the EMBL Data Library, May 1999
A; Description: A protocatechuate catabolic gene cluster cloned from Streptomyces sp. 206
A; Reference number: 224354
A; Cession: T47113
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Status: DNA
A; Status: DNA
A; Cross-references: UNIPROT:Q9ZFAO; UNIPARC:UPI0000B762A; EMBL:AF109386; FIDN:AAD05270.
A; Experimental source: strain 2065
C; Superfamily: protocatechuate 3,4-dioxygenase beta chain
C; Keywords: oxidoreductase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3-oxoacyl-[acyl-carrier-protein] synthase III - Aquifex aeolicus
C;Species: Aquifex aeolicus
C;Daces: 08-May-1998 #sequence_revision 08-May-1998 #text_change 09-Jul-2004
C;Accession: F70394
R;Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; Oy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Residues: 1-309 <AQF>
A;Cross-references: UNIPROT:O67185; UNIPARC:UPI00005651C; GB:AE000723; NID:92983569; PI
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N;Alternate names: alpha-amylase II
C;Species Thermoactinomyces vulgaris
C;Date: 31-Dec-1993 #sequence_revision 18-Aug-1995 #text_change 09-Jul-2004
C;Accession: JC1486
S;Tonozuka, T; Ohtsuka, M: Mogi, S:, Sakai, H:, Ohta, T.; Sakano, Y.
Biosci. Biotechnol. Biochem. 57, 395-401, 1993
A;Title: A neopullulanase-type alpha-amylase gene from Thermoactinomyces vulgaris R-47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nature 392, 353-358, 1998
A;Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus. A;Reference number: A70300; MUID:98196666; PMID:9537320
A;Accession: F70394
A;Accession: F70394
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
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Pred. No. 6.8;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 201;
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C, Genetics:
A, Gene: EabH
C, Superfamily: 3-oxoacyl-[acyl-carrier-protein] synthase III
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Pred. No. 2.7;
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ALIGNMENTS
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70.0%;
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Matches 7; Conservative
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KAKGVYAFDI 107
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hes 7; Conserv
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A Accession: JC1486
A, Molecule type: DNA
A, Residues: 1-585 <TON>
A, Residues: 1-585 <TON>
A, Residues: 1-585 <TON>
A, Residues: 1-585 <TON>
A, Residues: 1-585 <TON>
A, Residues: 1-585 <TON>
A, Residues: 1-585 <TON>
C, Function: Dilular degradation to produce pance A, Pathway: pullular degradation and alpha-(1->4)-glucosidic linkages of pullular to produce pance A, Pathway: pullular degradation amylase activity
C, Superfamily: neopullularase; alpha-amylase core homology
C, Superfamily: neopullularase; alpha-amylase core homology
C, Superfamily: alpha-amylase core homology AMMY>
F, 233-44/Domain: alpha-amylase core homology AMMY>
F, 239-44/Domain: alpha-amylase core homology AMMY>
F, 239-354, 421/Active site: Glu, Glu, Asp #status predicted
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cell-division ATP-binding protein ftsE [imported] - Bacillus halodurans (strain C-125)
C;Species: Bacillus halodurans
C;Species: Bacillus halodurans
C;Species: Bacillus halodurans
C;Date: 0.1-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 09-Jul-2004
C;Accession: B84100
R;Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fuji, F.; Hiran Nucleic Acids Res. 28, 4317-4331, 2000
A;Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and ç A;Reference number: A83650; MUID:20512582; PMID:11058132
A;Accession: B84100
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-223 <STO>
A;Cross-references: UNIPROT:Q9K6X2; UNIPARC:UPI00000C424E; GB:AP001519; GB:BA000004; NID: A;Experimental source: strain C-125
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                chitinase (EC 3.2.1.14) - Lymantria dispar nuclear polyhedrosis virus
C;Species: Lymantria dispar nuclear polyhedrosis virus, LdMMPV
C;Dacies: Lymantria dispar nuclear polyhedrosis virus, LdMMPV
C;Daccession: T30418
R;Kuzio, J; Pearson, M.N.; Harwood, S.H.; Funk, C.J.; Evans, J.T.; Slavicek, J.M.; Rohrn
Virology 253, 17-34, 1999
A;Reference and analysis of the genome of a baculovirus pathogenic for Lymantria di
A;Reference number: Z20836; MUID:99124785; PMID:9887315
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
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A,Description: catalyzes the hydrolysis of chitin, a beta-1,4-linked homopolymer of N-ace A,Pathway: chitin degradation
A,Pathway: chitin degradation
C,Superfamily: Serratia marcescens chitinase
C,Superfamily: Serratia parcescens chitinase
C,Keywords: glycosidase; hydrolase; polysaccharide degradation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Gene: ft8E
C;Superfamily: short-chain ATP-binding cassette proteins; ATP-binding cassette homology
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                74.5%; Score 38; DB 1; Length 585; 70.0%; Pred. No. 13; Live 2; Mismatches 1; Indels
A; Reference number: JC1486; MUID: 93222535; PMID: 7763540
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Best Local Similarity 70.0
Matches 7; Conservative
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les 6; Conservative
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probable dehydratase (AL133423) [imported] - Agrobacterium tumefaciens (strain C58, Cere C; Species: Agrobacterium tumefaciens (C; Species: Agrobacterium tumefaciens (C; Species: Agrobacterium tumefaciens (C; Species: Agrobacterium tumefaciens (C; Species: By 20.56p-2001 #sequence_revision 30-Sep-2001 #text_change 09-Jul-2004 (C; Accession: E97391 R; Goodner, B.; Hinkle, G.; Gattung, S.; Miller, N.; Blanchard, M.; Qurollo, B.; Goldman, A.; Liu, F.; Wollam, C.; Allinger, M.; Doughty, D.; Scott, C.; Lappas, C.; Markelz, B.; Science 294, 2323-2328, 2001 A; July B.; Scott, C.; Lappas, C.; Markelz, B.; A; Title: Genome Sequence of the Plant Pathogen and Biotechnology Agent Agrobacterium tum A; Reference number: A97359; MUID:21608551; PMID:11743194
                                                                                                                                                                                                                                                                                                A;Status: preliminary
A;Modecule type: DNA
A;Residuss: 1-410 <RUR>
A;Cross-references: UNIPROT:Q8UIM3; UNIPARC:UPI00000D1760; GB:AE007869; PIDN:AAK86086.1;
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A,Residues: 1-928 <KIR>
A,Cross-references: UNIPROT:P48467; UNIPARC:UPI000012DE6A; EMBL:L47106; NID:g1947183; PI
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A;Experimental source: strain T213 mating population VI
C;Genetics:
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C;Species: Haematonectria haematococca
C;Species: 20-Oct-2000 #sequence_revision 20-Oct-2000 #text_change 09-Jul-2004
C;Accession: T51932
R;Wu, Q.; Aist, J.R.; Wirsel, S.G.; Turgeon, B.G.; Yoder, O.C.; Sandrock, T.
R;Wu, Q.; Aist, J.R.; Mara Library, January 1997
A;Bescription: Nectria haematococca mating population VI NhRAD6 and NhKinl genes.
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C;Species: Neurospora crassa
C;bacies: Neurospora crassa
C;baces: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004
C;Accession: T10164
R;Kirchner, J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 410;
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A;Residues: 1-929 <WUQ>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              submitted to the EMBL Data Library, March 1997
Al-Reference number: 216968
Al-Accession: T10164
Al-Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 35; DB 2;
Pred. No. 37;
1; Mismatches
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Pred. No. 88;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Gene: AGR C 463
A;Map position: circular chromosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              68.6%;
70.0%;
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Similarity 66.7%;
6; Conservative 2
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Best Local Similarity 70.0
Matches 7; Conservative
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EAQGSFTFD 52
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Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                               C, Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C; Genetics
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                                                                                                                                                                                                                                                                                 Typothetical protein SPAC17G6.18 - fission yeast (Schizosaccharomyces pombe)
C; Species: Schizosaccharomyces pombe
C; Species: Schizosaccharomyces pombe
C; Date: 03-Dec-1999 #text_change 09-Jul-2004
C; Accession: T37850
R; Murphy, L.; Harris, D.; Barrell, B.G.; Rajandream, M.A.; Wood, V.
R; Murphy, L.; Harris, D.; Barrell, B.G.; Rajandream, M.A.; Wood, V.
A; Reference number: 221749
A; Reference number: 221749
A; Reference number: 221749
A; Reseasion: T37850
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Residues: 1-667. <MUR>
A; Residues: 1-667. <MUR>
A; Residues: 1-667. <MUR>
A; Experimental source: strain 972h-; cosmid c17G6
C; Genetics:
A; Gene: SPDB:SPAC17G6.18
A; Map posttion: 1
A; Introns: 5/2
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hypochetical protein Atu0270 [imported] - Agrobacterium tumefaciens (strain C58, Dupont)
hypochetical protein Atu0270 [imported] - Agrobacterium tumefaciens
(S.) Specials agrobacterium tumefaciens
(S.) Specials AF2609
(S.) Accession: AF2609
(S.) Accession: AF2609
(S.) Accession: AF2609
(S.) Güllet, W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; Woo, I.
(S.) Güllet, W.; Grant, C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, M.; McClell
(S.) Karp, P.; Romero, P.; Zhang, S.
(Science 294, 2317-2323, 2001
(A.) Aithors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-Kamm,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A, Accession: AF2609
A, Status: preliminary
A, Status: Dreliminary
A, Molécule type: DNA
A, Molécule type: DNA
A, Experimental source: UNIPROT: QBUIM3, UNIPARC: UP10000164491; GB: AE008688; PIDN: AAL41292.1;
A, Experimental source: strain C$8 (Dupont)
C; Genetics:
A, Gene: Atu0270
A, Map position: circular chromosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ster, E.W.
A/Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens CSB.
A/Reference number: AB2577; MUID:21608550; PMID:11743193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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   70.6%; Score 36; DB 2; Length 558; 75.0%; Pred. No. 32; 1.1ve 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 68.6%; Score 35; DB 2; Length 400; 70.0%; Pred. No. 36; 1; Mismatches 2; Indels
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Best Local Similarity 75.0
Matches 6; Conservative
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492 AKGAYAFD 499
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                                                                                                                     2 ARGSYAFD 9
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C;Accession: D90231
R;She, Q.; Singh, R.K.; Confalonieri, F.; Zivanovic, Y.; Allard, G.; Awayez, M.J.; Chan-V Jong, I.; Jeffries, A.C.; Kozera, C.J.; Medina, N.; Peng, X.; Thi-Ngoc, H.P.; Redder, P arrett, R.A.; Ragan, M.A.; Sensen, C.W.; Van der Oost, J.
submitted to GenBank, April 2001
A;Description: Sulfolobus solfataricus complete genome.
A;Reference number: A99139
A;Accession: D90231
A;Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Cross-references: UNIPROT: Q9UXJ3; UNIPARC: UPI000064A02; GB: AE006641; NID: 913813991; PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hypothetical protein BBG17 - Lyme disease spirochete plasmid G/1p28-2
C;Species: Borrelia burgdorferi (Lyme disease spirochete)
C;Date: 13-Feb-1998 #sequence_revision 13-Feb-1998 #text_change 09-Ju1-2004
C;Accession. A70233
R;Fraser, C.M.; Casjens, S.; Huang, W.M.; Sutton, G.G.; Clayton, R.; Lathigra, R.; White, son, D.; Peterson, J.; Kerlavage, A.R.; Quackenbush, J.; Salzberg, S.; Hanson, M.; Vugt, S. Bowman, C.; Garland, S.; Fujli, C.; Cotton, M.D.; Horst, K.; Roberts, K.; Hatch, B. Nature 390-586-580-586. 1997
A;Authors: Smith, H.O.; Venter, J.C.
A;Authors: Galland, S.; Fujli, C.; Cotton, M.D.; Borrelia burgdorferi.
                                                                                                                                                                                                                                                                                                                                                 A;Reference number: Z19786
A;Accession: T23704
A;Accession: T23704
A;Accession: T23704
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Cross-references: UNIPROT:P91906; UNIPARC:UPI0000079EA9; EMBL:Z83117; PIDN:CAB05569.1;
A;Experimental source: clone M04C7
                                                                                                                                                               hypothetical protein MO4C7.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T23704
R;Kerahaw, J.
Submitted to the EMBL Data Library, November 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    conserved hypothetical protein [imported] - Sulfolobus solfataricus
C;Species: Sulfolobus solfataricus
C;Date: 24-May-2001 #sequence_revision 24-May-2001 #text_change 09-Jul-2004
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Pred. No. 37;
1; Mismatches 1; Indels
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60.0%;
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75.0%;
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Best Local Similarity 75.0
Matches 6; Conservative
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Best Local Similarity 60.0
Matches 6; Conservative
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131 DGRGNYAFGI 140
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 EARGSYAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C,Genetics:
A,Gene: CESP:M04C7.3
A,Map position: 1
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Nature 392, 353-358, 1998
Nature 392, 353-358, 1998
A;Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus.
A;Reference number: A70300; MUID:98196666; PMID:9537320
A;Accession: G70442
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
A;Molecule type: DNA
A;Residuse: 1-188 <AQF>
A;Cross-references: UNIPROT:067568; UNIPARC:UPI0000056697; GB:AE000749; NID:g2983975; PI
A;Experimental source: strain VF5
                                                                                                                                                                                                                                                                                                                                                                                                                                                       N.Alternate names: Ig kappa chain gene enhancer Recognition component C; Species: Mus musculus (house mouse)
C; Date: 11-Jan-2000 #sequence_revision 11-Jan-2000 #text_change 18-Feb-2000
C; Accession: T4217
R; Mu, L.C.; Liu, Y; Strandtmann, J.; Mak, C.H.; Lee, B.; Li, Z.; Yu, C.Y.
Genomics 35, 415-424, 1996
A; Aitiele: The mouse DNA binding proteins for the kappa B motif of transcription and for ew family of large transcriptional proteins.
A; Reference number: Z22238; MUID:97001141; PMID:8812474
A; Accession: T42717
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Molecule type: mRNA
A; Residues: 1-2282 < WULD.
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A;Cross-references: UNIPARC:UP10000286E6; EMBL:L46815; NID:g1377885; PID:g1377886; PIDN
A;Experimental source: strain BALB/c; clone T1; thymocyte, brain
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C;Species: Aquifex aeolicus
C;Date: 08-May-1998 #sequence_revision 08-May-1998 #text_change 09-Jul-2004
C;Accession: G70442
R;Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.;
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C,Function:
A,Description: binds V(D)J recombination signal sequence and kappa B motif
C,Superfamily: HIV-EP2 enhancer-binding protein
C,Keywords: DNA recombination; transcription factor
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A;Gene: NhKIN1
A;Introns: 40/3; 848/2
C;Superfamily: kinesin heavy chain; kinesin motor domain homology
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Pred. No. 26;
2; Mismatches 2; Indels
                                                                                                                  Query Match 68.6%; Score 35; DB 2; Length 929; Best Local Similarity 66.7%; Pred. No. 88; Matches 1; Indels Matches 1; Indels
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85.7%; Pred. No. 2.3e+02;
iive 1; Mismatches 0;
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DNA-binding protein Rc - mouse
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Best Local Similarity 60.0.
Best Local 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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551 RGSYSFD 557
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C;Species: Symethocystis sp.
A;Variety: PCC 6803
A;Variety: PCC 6803
A;Variety: PCC 6803
C;Date: 29-Jan-1999 #sequence_revision 29-Jan-1999 #text_change 09-Jul-2004
C;Date: 29-Jan-1999 #sequence_revision 29-Jan-1999 #text_change 09-Jul-2004
C;Accession: S74845
B;Kaneko, T.; Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N., O, K.; Okumura, S.; Shimpo, S.; Takeuchi, C.; Wada, T.; Watanabe, A.; Yamada, M.; Yasuda DNA Res. 3, 109-136, 1996
A;Title: Sequence analysis of the genome of the unicellular cyanobacterium Synechocystis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Accession: S74845
A;Molecule type: DNA
A;Residues: 1-463 - KKAN-
A;Cross-references: UNIPROT: P73754; UNIPARC: UPI0000139D74; EMBL: D90909; GB: AB001339; NID
A;Notes: the nucleotide sequence was submitted to the EMBL Data Library, June 1996
C;Superfamily: Escherichia coli tldD protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Cross-references: UNIPROT:Q9KVY4; UNIPARC:UPI0000C2B8B; GB:AE004093; GB:AE003852; NID A;Experimental source: serogroup Ol; strain N16961; biotype El Tor
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C;Superfamily: probable 60K inner membrane protein; stage III sporulation protein homolc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 probable ATP-dependent proteinase LA (lon-1) - syphilis spirochete
C;Species: Treponema pallidum subsp. pallidum (syphilis spirochete)
C;Dates: 24-Jul-1998 #sequence_revision 24-Jul-1998 #text_change 09-Jul-2004
C;Acces 24-Jul-1998 #sequence_revision 24-Jul-1998 #text_change 09-Jul-2004
C;Acces 213.77
R;Fraser, C.M.; Norris, S.J.; Weinstock, G.M.; White, O.; Sutton, G.G.; Dodson, R.; Gwin rson, J.; Khalak, H.; Richardson, D.; Howell, J.K.; Chidambaram, M.; Utterback, T.; McDo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inner membrane protein, 60 kDa VC0004 (imported) - Vibrio cholerae (strain N16961 serogi
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C;Species: Vibrio cholerae
C;Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 09-Jul-2004
C;Accession: B83375
R;Heidelberg, J.F.; Eisen, J.A.; Nelson, W.C.; Clayton, R.A.; Gwinn, M.L.; Dodson, R.J.
R;Heidelberg, J.F.; Eisen, J.A.; Vamathevan, J.; Bass, S.; Qin, H.; Dragoi, I.; Sellers, J. R.R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.
Nature 406, 477-483, 2000
A;Title: DNA Sequence of both chromosomes of the cholera pathogen Vibrio cholerae.
A;Reference number: A82035; MUID:20406833; PMID:10952301
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                                                                                                                                                                                                - Synechocystis sp. (strain PCC 6803)
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Pred. No. 67;
0; Mismatches
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Best Local Similarity 85.7%;
Matches 6; Conservative
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ESRGIYSFNI 25
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Matches 6; Conserv
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A;Molecule type: DNA
A;Residues: 1-541 <HEI>
                                                                                                                                                                                            tldD homolog slr0863
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C;Species: Erwinia chrysanthemi
C;Species: Erwinia chrysanthemi
C;Species: Erwinia chrysanthemi
C;Species: Erwinia chrysanthemi
C;Species: Erwinia chrysanthemi
C;Species: Erwinia chrysanthemi
C;Species: Sz0035
R;Keen, N.T.; Ridgway, D.; Boyd, C.
Mol. Microbiol. 6, 179-187, 1992
A;Title: Cloning and characterization of a phospholipase gene from Erwinia chrysanthemi
A;Accession: Sz0037
A;Accession: Sz0037
A;Status: preliminary
A;Accession: Sz0037
A;Status: Preliminary
A;Molecule type: DNA
A;Residues: 1-358 <KEE>
A;Cross-references: UNIPROT:Q47499; UNIPARC:UPI0000131BD1; EMBL:Z11517; NID:g42421; PIDN
C;Generics:
A;Generics:
A;Generics:
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A;Generics:
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C; Species: 14-Sep-2001 #sequence_revision 14-Sep-2001 #text_change 09-Jul-2004
C; Accession: D9910
R; Nolling, J.; Breton, G.; Omelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; Lee, J. Baly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.
J; Bacteriol. 183, 4823-4838, 2001
A; Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium Clc A; Reference number: A96900; MUID:21359325; PMID:21359325
A; Status: preliminary
A; Hossiques: 1-359 < KURS.
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A;Experimental source: Clostridium acetobutylicum ATCC824
C;Genetics:
A;Gene: CAC0086
A;Reference number: A70100; MUID:98065943; PMID:9403065
A;Accession: A70233
A;SCEGUSION: A70233
A;SCEGUSION: PATORIA
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-277 «KLE>
A;Residues: 1-277 «KLE>
A;Experimental source: UNIPROT:050740; UNIPARC:UPI000005685D; GB:AE000786; NID:g2690008; C;Genetics:
A;Experimental source: strain B31
C;Genetics:
A;Genome: plasmid
C;Superfamily: Borrelia burgdorferi hypothetical protein BBG17
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Pred. No. 51;
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Best Local Similarity
Matches 6; Conserv
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A,Cross-references: UNIPARC:UP1000011EA68; GB:S56365; NID:g266243; PIDN:AAD14918.1; PID:
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Ajmap position: 5421-5422
Ajross-references: GDB:119682; OMIM:175100
Ajmap position: 5421-5422
Ajrost-septemily: adenomations polyposis coli protein
Cjkeywords: cancer; familial adenomations polyposis; tumor suppressor
F;1-730/Domain: leucine-rich (NTD)
F;7-72/Region: coll #status predicted
F;185-227/Region: coll #status predicted
F;731-2832/Domain: serine-rich (CTD)
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A.Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
A.Reference number: A84420; MUID:20083487; PMID:10617197
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A;Cross-references: UNIPROT:069893; UNIPARC:UPI0000DAC5F; EMBL:AL023797; PIDN:CAA19397.
A;Experimental source: strain A3(2)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 probable replication protein Al [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress) C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004 C;Accession: B84484
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A, Status: preliminary; translated from GB/EMBL/DDBJA, Molecule type: DDBJA, Molecule type: DDBJA
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Pred. No. 20;
1; Mismatches
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F:1558-1577/Region: acidic
F:1866-1893/Region: highly charged
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1835 RGSFAFD 1841
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Best Local Similarity
Matches 6; Conserv
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Matches 6; Conserv
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A;Molecule type: DNA
A;Residues: 1-95 <STO>
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A; Map position: 2
                                                                                                                 A; Gene: GDB: APC
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A; Residues: 1506-1525 <MIK>
A; Molecule type: DNA
A; Residues: 1506-1525 <MIK>
A; Residues: 1506-1525 <MIK>
A; Residues: 1506-1525 <MIK>
A; Residues: 1506-1525 <MIK>
A; Recidues: 1506-1525 <MIK>
A; Cross-references: UNIPARC: UP1000003546E; GB:S78214; NID:g243541; PIDN:AAB21145.1; PID:
A; Note: aguence extracted from NCBI backbone (NCBIN:78214, NCBIP:78218)
A; Spirio, L; Olschwang, S.; Groden, J.; Robertson, M.; Samowitz, W.; Joslyn, G.; Gelber (Call 75, 951-957, 1993)
A; Reference number: A49319
A; Reference number: A49319
A; Scatus: preliminary; translated from GB/EMBL/DDBJ
A; Scatus: preliminary; translated from GB/EMBL/DDBJ
A; Residues: 'G'.143-171,'P',173-179 <SPI>
A; Residues: 'G'.143-171,'P',173-179 <SPI>
A; Cross-references: UNIPARC: UP100000716F9; GB:S67787; NID:g461061; PIDN:AAD13997.1; PID: R; Lambertz, S.; Ballhausen, W.G.
Hum. Genet. 90, 650-652, 1993
A; Title: Identification of an alternative S' untranslated region of the adenomatous poly A; Reference number: 154271; MUID:93186137; PMID:8383094
A; Accession: 154271; MUID:93186137; PMID:8383094
they, L.; Weidman, J.; Smith, H.O.; Venter, J.C. Science 281, 375-388, 1998
A; Title: Complete genome sequence of Treponema pallidum, the syphilis spirochete.
A; Reference number: A71250; MUID:98332770; PMID:965876
A; Accession: E71377
A; Status: preliminary; nucleic acid sequence not shown; translation not shown
A; Molecule type: DNA
A; Residues: 1-857 cCOL>
A; Cross-references: UNIPROT:083060; UNIPARC:UPI00000031E8; GB:AE001186; GB:AE000520; NID
C; Genetics:
A; Experimental source: strain Nichols
C; Genetics:
A; Gene: TP0016
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A; Residues: 1-2843 «KINA
A; Residues: 1-2843 «KINA
A; Residues: 1-2843 «KINA
A; Residues: 1-2843 «KINA
A; Cos9-references: UNIPROT: P25054; UNIPARC: UPI00000502E5; GB: M74088; NID: g182396; PIDN:
R; Joslyn, G; Carlson, M.; Thliveris, A.; Alberteen, H.; Galbert, L.; Samowitz, W.; Grod
arrington, J.; McPherson, J.; Wasmuth, J.; Le Paslier, D.; Abderrahim, H.; Cohen, D.; Le
Cell 66, 601-613, 1991
A; Reference number: A39558; MUD: 91330307; PMID: 1678319
A; Residues: 1-183, L.; 185-969, N.; 971-1308, 'G', 1310-1324, 'SS', 1326, 'HSTLE', 1332-1354,'P
A; Residues: 1-183, 'L', 185-969, 'N', 971-1308, 'G', 1310-1324, 'SS', 1326, 'HSTLE', 1332-1354,'P
A; Residues: 1-183, 'L', 185-969, 'N', 971-1308, 'G', 1310-1324, 'SS', 1326, 'HSTLE', 1332-1354,'P
A; Cross-references: UNIPARC: UPI000016AEE0; GB: M73548; NID: g190163; PIDN: AAA60354.1; PID:
R; Mixi, Y.; Nishisho, I.; Horii, A.; Miyoshi, Y.; Utsunomiya, J.; Kinzler, K.W.; Vogelst
Cancer Res: 52, 643-645, 1992
A; Accession: A44928; MUD: 92119623; PMID: 1310068
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Best Local Similarity 62.5
Matches 5; Conservative
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RGTYSFDL 195
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66 ERPGNYSFDI
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Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
Matches 6; Conserv
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Conserved hypothetical protein ywkD - Bacillus subtilis
C;Species: Bacillus subtilis
C;Species: Bacillus subtilis
C;Species: Bacillus subtilis
C;Accession: S53436; C7061
R;Glaser, P; Danchin, A.
R;Glaser, P; Danchin, A.
R;Accession: S55436; C7061
R;Accession: S5544
A;Recimen counter: S5544
A;Recimen number: S55414
A;Recimen number: S55414
A;Recimen: Byth NA
A;Recimen: DNA
A;Recimen: DNA
A;Recimen: DNA
A;Recimen: DNA
A;Residues: 1-128 GGLA>
A;Cross-references: UNIPROT: P45871; UNIPARC: UP10000060BBA; EMBL: Z49782; NID: 9853752; PIC
R;Kunst, F:; Ogsaavara, N:; Moszer, I:; Albertini, A.M:; Alloni, G; Azevedo, V.; Berter
C; Bron, S; Brounliet, S; Bruschi, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.; Chc
A; Brich, S.D.; Emmerson, P.T.; Britan, K.D.; Errington, J.; Fabret, C; Ferrari, E.
R;Kunst, S.D.; Emmerson, P.T.; Henat, A.; Hibbert, H.; Holsappel, S.; Hosono, S.; Hullo, M.F.
Rocter, P.; Koningstein, G.; Krodph, S.; Kumano, M.; Kurita, K.; Liul, H.; Masuda, S.; Maneno, A; Althores: Lauber, J.; Lazarevic, V.; Lee, S. M.; Levine, A.; Liul, H.; Masuda, S.; Maneno, A; Althores: Schleich, S.; Schroeter, R.; Scoftone, F.; Sekiguchi, J.; Sekowska, A.; Sechnion, A; Althores: Schleich, S.; Schroeter, R.; Scoftone, F.; Sekiguchi, A; Tamako, T.; Manenoto, H.; Yoshikawa, H.; Danchin, A.; Tosato, V.; Villa, A; Althores: Schleich, S.; Schroeter, R.; Scoftone, R.; Villa, A; Althores: Voshikawa, H.F.; Zumetein, E.; Yoshikawa, H.; Danchin, A; Althores: Noshika, R.; Althores: Noshikawa, H.; Danchin, A; Althores: Noshikawa, H.; Danchin, A; Althores: Noshika, A; Althores: Noshikawa, R.; Danchin, C7063
A; Reference number: A65890; WIID: 98044033; PMLD: 984277
A; Accessionni C7063
A; Danchelle, R.; Althores: Rock Reference number: A65890; MID: 98044033; PMLD: 984470; Schleich, R.; Althores: Noshika, A; Danchia, C., Rocka, A; Althores: Noshika, A; Danchia, C., Rocka, A; Althores: Noshi
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Ig heavy chain V region (clone PRIL-4) - mouse (fragment)

C.Species: Mus musculus (house mouse)

C.Species: Was musculus (house mouse)

C.Date: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 07-May-1999

C.Species: Name of Price of P
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         Score 33; DB 2; Length 103;
Pred. No. 22;
2; Mismatches 1; Indels
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Pred. No. 27;
1; Mismatches 3; Indels
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A;Reference number: PH1482; MUID:93171820; PMID:8436910

A;Accession: PH1492
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              64.7%;
66.7%;
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A;Molecule type: mRNA
A;Residues: 1-135 <GIU>
Query Match
Best Local Similarity 66.7
Matches 6; Conservative
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11 ACGSYAFEV 19
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Best Local Similarity
Matches 6, Conserv
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 01-Feb-1999 #sequence_revision 01-Feb-1999 #text_change 09-Jul-2004
C;Accession: 700630
R;Federspiel, N.A.; Palm, C.J.; Conway, A.B.; Kurtz, D.B.; Conway, A.R.; Au, M.; Araujo,
S,Vyotskaia, V.; Yu, G.; Ecker, J.; Theologis, A.; Davis, R.W.
Submitted to the EMBL Data Library, September 1998
A;Reference number: 214193
A;Accession: T00630
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Genome Res. 11, 731-753, 2001
A;Title: The complete genome sequence of the lactic acid bacterium Lactococcus lactis ss
A;Reference number: A86625; MUID:21235186; PMID:11337471
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A/Status: preliminary
A/Molecule type: DNA
A/Residues: 1-238 <STO>
A/Kross-references: UNIPROT:Q9CEC3; UNIPARC:UPI00000D44C0; GB:AE005176; PID:g12724958; P
C/Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPROT:080602; UNIPARC:UPI000009F619; EMBL:AC004122; NID:g3176693; A;Experimental source: cultivar Columbia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein ytjG [imported] - Lactococcus lactis subsp. lactis (strain IL1403) C;Species: Lactococcus lactis subsp. lactis C;Date: 23-Mar-2001 #sequence_revision 23-Mar-2001 #text_change 09-Jul-2004
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0
A;Cross-references: UNIPARC:UP10000176C7D
A;Experimental source: hybridoma cell
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterortetramer; immunoglobulin
F;34-117/Domain: immunoglobulin homology < IMM>
F;79/Region: ochre stop codon
                                                                                                                                                                                               Length 135;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hypothetical protein T2711.13 - Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2;
                                                                                                                                                                                            64.7%; Score 33; DB 2100.0%; Pred. No. 29; iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. 32;
2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   64.7%; Score 33;
60.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
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Best Local Similarity 60.0.
Best Local 6; Conservative
                                                                                                                                                                                                                                                     6; Conservative
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A;Introns: 84/2; 111/3; 131/1
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1. 18.

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A;Cross-references: UNIPROT:Q92BX1; UNIPARC:UPI000013AAAA; GB:AL592022; PIDN:CAC96652.1;
A;Experimental source: strain Clip11262
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rod shape-determining protein XF1309 (imported) - Xylella fastidiosa (strain 9a5c)
C;Species: Xylella fastidiosa
C;Species: Xylella fastidiosa
C;Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 09-Jul-2004
C;Accession: F82696
R;anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide Sequen Nature 406, 151-157, 2000
A;Title: The genome sequence of the plant pathogen Xylella fastidiosa.
A;Reference number: A82515; MUID:20365717; PMID:10910347
A;Note: for a complete list of authors see reference number A59328 below
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPROT:O9PDS0; UNIPARC:UFI00000C26B6; GB:AE003964; GB:AE003849; NID
A;Cross-references: UNIPROT:O9PDS0; UNIPARC:UFI00000C26B6; GB:AE003964; GB:AE003849; NID
A;Experimental source: strain 9a5c
R;Simpson, A.O.G; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga, R.; A
BF:Iones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carrarc, D.M.; Carrer, H
BS-Neto, E.; Docena, C.; El-Dorry, H.; Facincani, A.P.; Ferreira, A.J.S.
submitted to GenBank, June 2000
A.A., Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franca, S.C.; Franco, M.C.; Frohm, J.D.; Junqueira, M.L.; Kemper, B.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, B.E.; Laigr: chado, M.A.; Mactins, E.M.F.; Matsukuma, A.Y.; Marcho, C.L.; Marques, N.V.; Marcins, E.M.F.; Matsukuma, A.Y.; Manch, C.T.; Marques, N.V.; Marcins, E.M.; F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri, D.A.
Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de S.R. S.; Santelli, R.V.; Sawasak
A;Authors: da Silva, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., W.A.; da Silvai, M.A.; da Silvai, Vefference number: A.S.; Vettore, A.L.; Z.
A;Reference number: A.S.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hypothetical protein M3E9.20 - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 3-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004
C;Accession: T05049
R;Bevan, M.; Vandenbol, M.; Jallet, C.; Portetelle, D.; Hoheisel, J.; Mewes, H.W.; Mayer
Schlueter, T.; Simoes, N.; Tierrez, A.; Vazquez-Boland, J.A.; Voss, H.; Wehland,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Indels
   ok, C.; Schlueter, T.; Simoes, N.; Tierrez, A.; Vazquez-t
A;Title: Comparative genomics of Listeria species.
A;Reference number: AB1077; WUID:21537279; PMID:11679669
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84;
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; 72;
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                                                                                                                                                                                                                                                                                                                                           A;Gene: lin1421
C;Superfamily: uncharacterized conserved protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. 72;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    64.7%; Score 33; DB ilarity 70.0%; Pred. No. 84; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                             64.7%; Score 33; 60.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 60.0
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                132 DARNDÝEFDÍ 141
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Matches 7; Conserv
                                                                                                 A, Accession: AD1610
A, Status: preliminary
A, Molecule type: DNA
A, Residues: 1-319 <GLA>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Residues: 1-369 <SIM>
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A;Molecule type: DNA
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Mypothetical protein lmo1384 [imported] - Listeria monocytogenes (strain EGD-e)

hypothetical protein lmo1384 [imported] - Listeria monocytogenes (strain EGD-e)

C.Species: Listeria monocytogenes

C.Species: Listeria monocytogenes

C.Bate: 27-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 05-Oct-2004

C.Accession: AH1247

S. C. Schauer, E. J. Buchrieser, C. J. Amend, A. J. Baquero, F. J. Berche, P. J. Bloecker

J. Jones, L. M. J. Karst, U.

S. Jones, L. M. J. Karst, U.

S. J. Jones, L. J. Sunder, E. J. Burand, E. J. Dusands, C. J. Butian, K.D. J. Fsihi, H.

S. Jauthors: Kreft, J. J. Kuhn, M. J. Kunst, F. J. Kurapkat, G. J. Madueno, E. J. Maitournam, A. J. Ma

A. Jattle: Comparative genomics of Listeria species.

A. J. Accession: AH1247

A. Researence number: AB1077; MUID: 21537279; PMID: 11679669

A. Molecule type: DNA

A. Mesidues: 1-319 GGLAs.

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AD1610
hypothetical protein homolog lin1421 [imported] - Listeria innocua (strain Clip11262)
C;Species: Listeria innocua
C;Date: 27-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 05-Oct-2004
C;Accession: AD1610
C;Accession: AD1610
C;Accession: AD1610
D;Dominguez-Bernal, G.; Duchaud, E.; Durand, A.; Baquero, F.; Berche, P.; Bloecker, Dominguez-Bernal, G.; Duchaud, E.; Durand, L.; Dussurget, O.; Entian, K.D.; Fsihi, H. Science 294, 849-852, 2001
A;Authors: Kreft, J.; Kuhn, M.; Kunst, F.; Kurapkat, G.; Madueno, E.; Maitournam, A.; Ma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A,Cross-references: UNIPROT:QBY7A4; UNIPARC:UP100000554DF; GB:NC_003210; PIDN:CAC99462.1
A,Experimental source: strain EGD-e
                                                                                                                                                                                                                                                                                                               Btru
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A;Experimental source: strain Orsay
C;Genetics:
A;Gene: PAB1687
                                                                                                                             Cispecies: Pyrococcus abyesi
CiDate: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
CiDates: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
CiAccession: B75079
Rianonymous, Genoscope
submitted to the EMBL Data Library, July 1999
AiDescription: Pyrococcus abyesi genome sequence: insights into archaeal chromosome RAICEssion: B75079
AiStatus: preliminary
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60.0%; Pred. No. 72;
cive 1; Mismatches 3; Indels
                                                                                                        - Pyrococcus abyssi (strain Orsay)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 33, DB 2; Length 256;
Pred. No. 57;
0; Mismatches 1; Indels
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A;Gene: 1mo1384
C;Superfamily: uncharacterized conserved protein
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87.5%;
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Best Local Similarity 87.5
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                                                                                                        hypothetical protein PAB1687
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DARNDÝEFDÍ 141
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Best Local Similarity
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A; Residues: 1-256 < KAW>
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A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Nolecule type: DNA
A;Residues: 1-488 vMIL-
A;Cross-references: UNIPROT:001701; UNIPARC:UPI000007698E; EMBL:Z84574; PIDN:CAB06542.1;
A;Experimental source: clone P33E2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hemolytic phospholipase C precursor PA0844 [imported] - Pseudomonas aeruginosa (strain P C;Species: Pseudomonas aeruginosa (5pecies: Pseudomonas aeruginosa (5pecies: Pseudomonas aeruginosa (5pate: 15.Sep-2000 #sequence_revision 15.Sep-2000 #text_change 05.Oct.2004 (5peciesion: B83540 R;Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warrener, P.; Hickey, M.J.; Br
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Residues: 1-709 <WIL>
A;Cross-references: UNIPROT:Q9XWN6; UNIPARC:UPI0000612A6; EMBL:AL032637; PIDN:CAA21615.
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                                                                                                                                                                                                                                                                                                                      hypothetical protein F33E2.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T21701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C.Species: Caenorhabditis elegans
C.Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C.Accession: T26874
R.Ainscough, R.
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A;Gene: CESP:Y43F8C.14
A;Introns: 20/3; 80/1; 184/2; 309/3; 427/1; 485/3; 514/1; 603/2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 709;
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A;Introns: 94/3; 189/1; 214/3; 241/2; 274/1; 431/1; 458/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lypothetical protein Y43FBC.14 - Caenorhabditis elegans
                 64.7%; Score 33; DB 2; Le
100.0%; Pred. No. 1.1e+02;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
64.7%; Score 33; DB 2; L
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 4; Mismatches 1;
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Pred. No. 1.7e+02;
1; Mismatches 0;
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A;Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    submitted to the EMBL Data Library, October 1998 A;Reference number: 220279 A;Accession: T26874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               submitted to the EMBL Data Library, January 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Experimental source: clone Y43F8C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
                 Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          116 EANGSYSWEV 125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A, Reference number: Z19461
A, Accession: T21701
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                                                                                                                                                                                          319 GSYAFD 324
                                                                                                                                  4 GSYAFD 9
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A;Gene: CESP:F33E2.3
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C97188
Lyaine decarboxylase [imported] - Clostridium acetobutylicum
C;Species: Clostridium acetobutylicum
C;Species: Clostridium acetobutylicum
C;Species: Clostridium acetobutylicum
C;Species: Clostridium acetobutylicum
C;Accession: C97188
R;Nolling, J.; Breton, G.; Omelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; Lee,
C; Daly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.
J. Bacteriol: 183, 4823-4838, 2001
A;Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium Clc
A;Reference number: A96900; MUID:21359325; PMID:21359325
A;Retus: preliminary
A;Retus: preliminary
A;Retus: preliminary
A;Retus: DNA
A;Residues: 1-467 < KUR>
A;Cross-references: UNIPARC:UPI00000CA4BA; GB:AE001437; PIDN:AAK80294.1; PID:g15025347;
C;Genetics:
A;Gene: CAC2338
C;Superfamily: lysine decarboxylase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hypothetical protein PH0249 - Pyrococcus horikoshii

GiSpecies: Pyrococcus horikoshii CiSpecies: Pyrococcus horikoshii

GiSpecies: 29-Jan-1999 #sequence_revision 29-Jan-1999 #text_change 05-Oct-2004

GiAccession: B71249

RiKawarabayasi, Y.; Sawada, M.; Horikawa, H.; Haikawa, Y.; Hino, Y.; Yamamoto, S.; Sekin M.; Ohfuku, Y.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Kushida, N.; Oguchi DNA Res 5, 55-76, 1998

A; Title: Complete sequence and gene organization of the genome of a hyper-thermophilic a A; Recession: B71249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Residues: 1-426 «KAW»
A;Cross-references: UNIPROT.O57987; UNIPARC:UPI0000062D67; GB:AP000001; NID:g3236128; PI
A;Experimental source: strain OT3
A;Note: this accession replaces an interim accession for a sequence replaced by GenBank
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submitted to the Protein Sequence Database, March 1999
A;Reference number: 215396
A;Accession: T05049
A;Accession: T05049
A;Residues: 1-385 <BEV>
A;Residues: 1-385 <BEV>
A;Cross-references: UNIPROT:065579; UNIPARC:UPI000009FD02; EMBL:AL022223
A;Experimental source: cultivar Columbia; BAC clone M3E9
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                                                                                                                                                                                                                                                                                                                                                               DB 2; Length 385;
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C;Superfamily: conserved hypothetical protein MTH1070
                                                                                                                                                                                                                                                                                                                                                            64.7%; Score 33; DB ilarity 60.0%; Pred. No. 88; Conservative 2; Mismatches
                                                                                                                                                                                                                                               A;Map position: 4
A;Introns: 19/2; 80/2; 180/2; 314/3; 349/3
A;Note: M3E9.20
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Best Local Similarity 66.7
Matches 6; Conservative
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154 ESGGSFGFDI 163
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Best Local Similarity
Matches 6; Conserv?
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Search completed: December 14, 2005, 07:31:51
Job time : 12.8621 secs
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A26391

A26391

A26391

A26391

N.Alternate names: lecithinase C; lipophosphodiesterase I
C;Species: Pseudomonas aeruginosa
C;Species: Pseudomonas aeruginosa
C;Date: 08-Mar-1989 #sequence_revision 08-Mar-1989 #text_change 05-Oct-2004
C;Accession: A26391
B;Pritchard, A.E.; Vasil, M.L.
J. Bacteriol. 167, 291-298, 1986
A;Title: Nucleotide sequence and expression of a phosphate-regulated gene encoding a sec A;Accession: A26391
A;Molecule type: DNA
A;Molecule type: DNA
                                                                                                                                                                                                        A;Accession: B83540
A;Status: preliminary
A;Molecule type: DNA
A;Molecule type: DNA
A;Residuss: 1-730 <STO>
A;Cross-references: UNIPROT:P06200; UNIPARC:UPI000013197F; GB:AE004519; GB:AE004091; NIC
C;Genetics: A;Cross-references: Strain PAO1
C;Superics: A;Cone: plcH; PA0844
C;Superfamily: phospholipase C precursor
                                           .; Lory, S.; Olson, M.V.
Nature 406, 959-954, 2000
A;Title: Complete genome sequence of Pseudomonas aeruginosa PA01, an opportunistic patho
A;Reference number: A82950; MUID:20437337; PMID:10984043
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A;Residues: 1-730 <PRI>
A;Cross-references: UNIPROT:P06200; UNIPARC:UPI000016FCED; GB:M13047; NID:g151492; PIDN:C;Superfamily: phospholipase C precursor
C;Keywords: phosphoric diester hydrolase
adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larbig, K.; Lim,
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Pred. No. 1.7e+02;
3; Mismatches 2; Indela
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Local Similarity 50.0%;
Local Similarity 50.0%;
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Matches 5, Conservative
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DANGRYAFEV 606
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597 DANGRYAFEV 606
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RiRiggio, M.P.; Cullinane, A.A.; Onions, D.E. Vizol. 63, 1123-1133, 1989
A;Title: Identification and nucleotide sequence of the glycoprotein gB gene of equine her A;Reference number: A31880; MUID:89125704; PMID:2915378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Residues: 17919 <RIG>
A; Residues: 17919 <RIG>
A; Cross-references: UNIPROT: P17472; UNIPARC: UPI000013868D; GB:M26171; NID:g341446; PIDN: B; A; Cross-references: UNIPROT: P17472; UNIPARC: UPI000013868D; GB:M26171; NID:g341446; PIDN: B; C; Superfamily: herpesvirus glycoprotein B C; Keywords: glycoprotein; transmembrane predicted <SIG>
F; 128/Domain: signal sequence #status predicted <GFB>
F; 29-919/Product: glycoprotein B #status predicted <GFB>
F; 29-919/Product: glycoprotein #status predicted <GFB>
F; 10-910/Product: glycoprotein #status predicted <GFB>
F; 10-910, 1364, 438, 456, 493, 499, 666, 688/Binding site: carbohydrate (Asn) (covalent) #st
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C.Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 09-Jul-2004
C.Accession: A31880
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   Length 782;
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Pred. No. 2.2e+02;
0; Mismatches 3; Indels
                                                              1; Indels
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Score 33; DB 1; 1 Pred. No. 1.9e+02;
                                                              0; Mismatches
Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
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Best Local Similarity 70.0%;
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A; Molecule type: DNA
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GO:0016021; C:integral to membrane; IEA.
GO:0009279; C:outer membrane (sensu Gram-negative Bacteria); IEA
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DDI=10.1128/AEM.66.4.1499-1508.2000;
Iwagami S.G. Yang K., Davies J.;
Iwagami S.G. Yang K., Davies J.;
Iwagami E.G. Yang K., Davies J.;
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Imagami E.G. Yang K., Davies J.;
Imagami E.G. Yang K., Davies J.;
Appl. Environ. Microbiol. 66:1499-1508(2000).
EMBL. ARIOS386; AAD05270.1; -; Genomic_DNA.
HSSP: P20371; 1EOA.
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Tan S.Q.;
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GO; GO:0016491; F:oxidoreductase activity; IEA.
GO; GO:0016579; F:oxidoreductase activity; IEA.
GO; GO:00165725; P:aromatic compound metabolism; IEA.
InterPro; IPR000627; Idiol_dioxygnse.
Ffam; PF00775; Dioxygnase_C; 1.
Dioxygnase; Oxidoreductase_C
SEQUENCE 201 AA; 21768 WW; A9DFAIECAEE3B9D9 CRC64;
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06ITC4 CONTROL 
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                                                                                        01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Protocatechuate 3,4-dioxygenase alpha subunit (EC 1.13.11.3)
                                                                                                                                                                                                      Streptomyces sp. 2065.
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Streptomycineae; Streptomycetaceae; Streptomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 39; DB 2; Length 201;
Pred. No. 19;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               databases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (MAY-2004) to the EMBL/GenBank/DDBJ
         201 AA
                                                                Created)
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InterPro; IPR006665; OmpA/MotB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRINTS; PR01021; OMPADOMAIN.
ProDom; PD000930; OmpA/MotB; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      76.5%;
70.0%;
                                                             01-MAY-1999 (TrEMBLrel. 10,
Q9ZFA0 9ACTO PRELIMINARY;
Q9ZFA0;
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Best Local Similarity 70...
7; Conservative
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EGRGTYRFDI 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 EARGSYAFDI 10
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                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI TaxID=40215;
                                                                                                                                                                                                                                                                                                       NCBI_TaxID=86383;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=ZN3858;
                                                                                                                                                                                    Name=pcaG;
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NON TER
SEQUENCE
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OG 17C4

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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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-!- FUNCTION: Catalyzes the condensation reaction of fatty acid synthesis by the addition to an acyl acceptor of two carbons from malony1-ACP. Catalyzes the first condensation reaction which initiates fatty acid synthesis and may therefore play a role in governing the total rate of fatty acid production. Possesses both acceptoacety1-ACP synthase and acetyl transacylase acivities. Its aubstrate specificity determines the biosynthesis of branchedchain and/or straight-chain of fatty acids (By similarity).

-!- CATALYTIC ACTIVITY: Acyl-(acyl-carrier protein) + CO(2) + (acyl-carrier protein) = 3-oxoacyl-(acyl-carrier protein) + CO(2) + (acyl-carrier protein) + CO
                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAIN=VF5;
MEDLINE=98196666; PubMed=9537320; DOI=10.1038/32831;
MEDLINE=9819196666; PubMed=9537320; DOI=10.1038/32831;
Deckert G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L.,
Graham D.E., Overbeek R., Snead M.A., Keller M., Aujay M., Huber R.,
Feldman R.A., Short J.M., Olsen G.J., Swanson R.V.;
"The complete genome of the hyperthermophilic bacterium Aquifex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
16-OCT-2005 (Rel. 47, Last annotation update)
3-oxoacyl-[acyl-carrier-protein] synthase III (EC 2.3.1.41) (Beta-ketoacyl-ACP synthase III) (KAS III).
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ACT SITE 111 111 By similarity.

ACT_SITE 236 286 By similarity.

ACT_SITE 266 266 By similarity.

ACT_SITE 241 ACP-binding (By similarity).

SITE 237 31825 MW; EB97518DB168140D CRC64;
     2; Length 284;
                                                                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bacteria; Aquificae; Aquificales; Aquificaceae; Aquifex
NCBI_TaxID=63363;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       309 AA.
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-!- SIMILARITY: Belongs to the fabH family.
     80
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PIR; F70394; F70394.
HSSP; P24249; 1HNK.
                                                                                                    1; Mismatches
                                                     43;
74.5%; Score 38; 77.8%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=fabH; OrderedLocusNames=AO_1099;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Interpro; IPR004655; FabH synth.
IIGRFAMs; TIGR00747; fabH; 1.
     Query Match
Best Local Similarity 77.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STANDARD;
                                                                                                                                                                                                                                                                                                              138 EARGTÝNFD 146
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DB 1; Length 309;

74.5%; Score 38;

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GO; GO:0009279; C:outer membrane (sensu Gram-negative Bacteria); IEA
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ORFNames=AdehDRAFT_0788;
Anaeromyxobacter dehalogenans 2CP-C.
Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae; Myxococcaceae; Anaeromyxobacter.

NCBI_TaxID=290397;
                                                                                                                                                                                                                   Length 348;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 368;
                                                                                                                                                                                                                                                          1; Indels
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PRINTS; PR01021; OMPADOWAIN.
PRODOM; PD000930; OmpA/MotB; 1.
ProDom; 768 AA; 40069 MW; E21F540BA3E01519 CRC64;
                                                                                                                                                    Potential.
814793F07F4777A7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Last sequence update)
Last annotation update)
                                                                                                                                                                                                               74.5%; Score 38; DB 2; 77.8%; Pred. No. 53; iive 1; Mismatches
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77.8%; Pred. No. 56;
tive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                   368 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Created)
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                     InterPro; IPR006664; Bac OmpA.
InterPro; IPR00665; OmpA/WotB.
Pfam; PR00691; OmpA; 1.
PRINTS; PR01021; OmPADOWAIN.
ProDom; PD000930; OmpA/MotB; 1.
                                                                                                                                                      SIGNAL 1 21 P
SEQUENCE 348 AA; 37853 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-OCT-2000 (TrEMBLrel. 15, 01-OCT-2000 (TrEMBLrel. 15, 01-MAR-2003 (TrEMBLrel. 23,
                                                                                                                                                                                         Ouery Match
Best Local Similarity 77.8%,
To Conservative
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Best Local Similarity 7...
7; Conservative
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Q4NQ47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q9LAJ4_ACISP PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Outer membrane protein
                                                                                                                                                                                                                                                                                                                                           168 EARGTYHFD 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                188 EARGTYHFD 196
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NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                    1 EARGSYAFD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Acinetobacter sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI TaxID=472;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=ompA;
                                                                                                                                Signal.
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                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                      Oryza sativa (japonica cultivar-group).
Eukaryota: Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Epermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAR-2002 (TrEMBLrel. 20, Created)
01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
01-MAR-2003 (TrEMBLrel. 20, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
0mpA-like protein precursor.
Acinecobacter radioresistens.
Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales;
                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sasaki T., Matsumoto T., Katayose Y.;
"Oryza sativa nipponbare(GA3) genomic DNA, chromosome 7, PAC
clone:P0045A07.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             74.5%; Score 38; DB 2; Length 348; 100.0%; Pred. No. 53; ive 0; Mismatches 0; Indels
                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Toren A. Jr., Rosenberg E. Sr.;
Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AY033946; AAK57731.1; -; Genomic_DNA.
GO; GO:0016021; C:integral to membrane; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases EMBL; AP005479; BAC57795.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        348 AA; 37583 MW; B714A50FE16C9176 CRC64;
                                                                                                                                                                                                                                                                         01-JUN-2003 (TrEMBLrel. 24, Last sequence update) 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                   348 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    348 AA.
70.0%; Pred. No. 47; tive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GO; GO:0016301; F:kinase activity; IEA.
InterPro; IPR002110; ANK.
Pfam; PF00023; Ank; 3.
PRINTS; PR01415; ANKYRIN.
                                                                                                                                                                                                                                                                                                                     Serine/threonine kinase-like protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROSITE; PS50297; ANK REP REGION; 1.
                                                                                                                                                                                                                                                      01-JUN-2003 (TrEMBLrel. 24, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Query Match
Best Local Similarity 100...
Then 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R9_ACIRA
QBVPR9_ACIRA PRELIMINARY;
QBVPR9;
                                                                                                                                                                                                               Q84YU9 ORYSA PRELIMINARY;
Q84YU9;
                          7; Conservative
                                                                                       :|:| ||||||
98 KAKGVYAFDI 107
                                                                 1 EARGSYAFDI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SM00248; ANK; 3
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  Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                      Name=P0045A07.108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 RGSYAFD 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gramene; 084YU9;
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GRAPPS

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Interleukin-8 promoters.";
Infect. Immun. 68:3657-3666(2000).
EMBL, AF123598; AAF6328.1; -; Genomic DNA.
GO; GO:0016021; Cintegral to membrane; IEA.
GO; GO:0009279; C:outer membrane (sensu Gram-negative Bacteria); IEA.
InterPro; IPR006664; Bac_OmpA/MotB.
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   Gaps
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Moraxellaceae; Acinetobacter.
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DOI=10.1128/IAI.68.6.3657-3666.2000;
Ofori-Darko E., Zavros Y., Rieder G., Tarle S.A., Van Antwerp
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ONGLS_GLOVI PRELIMINARY;
O'NGLS;
O'NGLS;
O'-MAR-2004 (TrEMBLrel. 26, Ld
O'-MAR-2004 (TrEMBLrel. 26, Ld
O'-MAR-2004 (TrEMBLrel. 26, Ld
Glr3154 protein.
74.5%;
70.0%;
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Q8H8M5_ORYSA PRELIMINARY;
Q8H8M5;
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Best Local Similarity 100...
7, Conservative
     Query Match
Best Local Similarity 70.0
Matches 7; Conservative
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                                                                                                                                                              63 EGGGSYAFDL 72
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SEQUENCE 461 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=33072;
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07NGLS GLOVI
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Q8H8M5 ORY
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TO STRAINCEAR ATCC 35395 / DSM 2834;

MEDLINE-21929760; PubMed=11932238; DOI=10.1101/gr.223902;

A Galagan J.E., Nusbaum C., Roy A., Endrizzl, M.G., Macdonald P.,
A slagan J.E., Nusbaum C., Roy A., Endrizzl, M.G., Macdonald P.,
A Allen N., Naylor J., Stange-Thomann N., DeArellano K., Johnson R.,
Linton L., McEwan P., McKernan K., Talamas J., Tirrell A., Ye W.,
A Limmer A., Barber R.D., Cann I., Graham D.E., Grahame D.A., Guss A.M.,
A Limmer A., Li W., Liu J., Mikhopadhyay B., Revee J.N., Smith K.,
A pringer T.A., Umayam L.A., White O., White R.H., de Macario E.C.,
Rerry J.G., Jarrell K.F., Jing H., Macario A.J.L., Paulsen I.T.,
Pritchett M., Sowers K.R., Swanson R.V., Zinder S.H., Lander E.,
A pringer T.A., Birren B.;
"The genome of Methanosarcina acetivorans reveals extensive metabolic
and physiological diversity,";
Genome Res. 12:532-54212002).
BEMBL; AE011117; AAM07401.1; -; Genomic_DNA.
GO; GO:00003824; Freatalytic activity; IEA.
CO; GO:00003824; Freatalytic activity; IEA.
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                                                          STRAIN=2CP-C;
US DOE Joint Genome Institute (JGI-PGF);
Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavina T.,
Hammon N., Israni S., Pitluck S., Richardson P.;
"Sequencing of the draft genome assembly of Anaeromyxobacter
debalogenans 2CP-C."; to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Archaea; Buryarchaeota; Methanomicrobia; Methanosarcinales; Methanosarcinaceae; Methanosarcina.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              74.5%; Score 38; DB 2; Length 374; 87.5%; Pred. No. 57; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              dehalogenans 2CP-C.";
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hypothetical protein; Signal.
SIGNAL 1 25 Potential.
SEQUENCE 374 AA; 39752 MW; 7365E47B5CC278B1 CRC64;
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Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     preliminary data.
EMBL; AAHD01000038; EAL77666.1; -; Genomic_DNA.
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SEQUENCE 378 AA; 43911 MW;
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OrderedLocueNames=MA4053;
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Best Local Similarity 87.5
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                                 NUCLEOTIDE SEQUENCE
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EMBL; BA000045; BA291095.1; -; Genomic_DNA.
InterPro; IPR002310; Peptidase_U62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gloeobacter violaceus.
Bacteria; Cyanobacteria; Gloeobacteria; Gloeobacterales; Gloeobacter.
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                                                            Gape
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Oryza sativa (japonica cultivar-group).
Eukaryota, Viridiplantae, Streptophyta; Embryophyta; Trach
Spermatophyta; Magnoliophyta; Liliopaida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
DB 2; Length 378;
58;
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Last annotation update)
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Last annotation update)
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100.0%; Pred. No. 70;
:ive 0; Mismatches (
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                                                            1; Mismatches
Score 38;
Pred. No. 5
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PDB, 1JF6; X-ray; A/B=1-585.
PDB, 1JF6; X-ray; A/B=1-585.
PDB, 1J12; X-ray; A/B=1-585.
PDB, 1J18; X-ray; A/B=1-585.
PDB, 1J18; X-ray; A/B=1-585.
PDB, 1J18; X-ray; A/B=1-585.
PDB, 1VFK; X-ray; A/B=1-585.
PDB, 1VFK; X-ray; A/B=1-585.
PDB, 1VFC; X-ray; A/B=1-585.
PDB, 1VFC; X-ray; A/B=1-585.
PDB, 1VFC; X-ray; A/B=1-585.
PDB, 1WZL; X-ray; A/B=1-585.
PDB, 1WZL; X-ray; A/B=1-585.
PDB, 1WZL; X-ray; A/B=1-585.
PDB, 1WZL; X-ray; A/B=1-585.
                                                                                  A/B=1-585.
A/B=1-585.
A/B=1-585.
A/B=1-585.
A/B=1-585.
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Hydrolase; Metal-binding
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325
324
421
143
148
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171
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1G1Y; X-ray; A/
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MEDLINE=99241045; PubMed=10222200; DOI=10.1006/jmbi.1999.2647;
Kamitori S., Kondo S., Okuyama K., Yokota T., Shimura Y., Tonozuka T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Crystal structure of Thermoactinomyces vulgaris R-47 alpha-amylase II (TVAII) hydrolyzing cyclodextrins and pullulan at 2.6-A resolution."; J. Mol. Biol. 287:907-921(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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MEDLINE-93222535; PubMed=7763540;
Tomozuka T., Ohtsuka M., Mogi S.-I., Sakai H., Ohta T., Sakano Y.;
Tomozullulanase-type alpha-amylase gene from Thermoactinomyces
vulgaris R-47.";
Biotechnol. Biochem. 57:395-401(1993).
                             GO: GGO: 000454; F:ATP binding; IEA.
GO: GG: 000454; F:Protein serine/threonine kinase activity; IEA.
GO: GG: 0004664; F:protein serine/threonine kinase activity; IEA.
GO: GG: 0006468; P:protein amino acid phosphorylation; IEA.
InterPro; IPRO0019; Prot kinase.
InterPro; IPRO08271; Ser_Ehr_pkin_AS.
ProDom; PD000001; Prot kinase; I.
PROSITE; PS00101; PROTEIN KINASE ATP; I.
PROSITE; PS00108; PROTEIN KINASE ST; I.
ATP-binding; Kinase; Nucleotide-Einding; Serine-protein kinase; Transferase.
Serine/Chreonine-protein kinase; Transferase.
SEQUENCE 466 AA; 49982 MW; B830323B914DFDFF CRC64;
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       -!- SIMILARITY: Belongs to the Ser/Thr protein kinase family. EMBL; AC091494; AAN65028.1; -; Genomic_DNA.
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COFACTOR: Binds 1 calcium ion per subunit.
SUBUNIT: Monomer.
SIMILARITY: Belongs to the glycosyl hydrolase 13 family.
                                                                                                                                                                                                                                                      01-NOV-1995 (Rel. 32, Created)
1-NOV-1995 (Rel. 32, Last sequence update)
13-5EP-2005 (Rel. 48, Last annotation update)
Neopullulanase 2 (EC 3.2.1.135) (Alpha-amylase II) (TVA II)
                                                                                                                                          Score 38; DB 2; Length 466;
Pred. No. 71;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                               Thermoactinomyces vulgaris.
Bacteria, Firmicutes, Bacillales, Thermoactinomycetaceae,
Thermoactinomyces.
(NOV-2002) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                        585 AA
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                                                                                                                                            74.5%;
70.0%;
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Beet Local Similarity 70.04,
7; Conservative
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                                                                                                                                                                              EARGSYAFDI 10
                        Gramene; Q8H8M5;
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Submitted
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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Calcium (via carbonyl oxygen).
Calcium.
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InterPro; IPR004185; Glyco hydro 131g.
Pfam; PF00128; Alpha-amylase; 1.
Pfam; PF02903; Alpha-amylase N; 1.
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Uotsu-Tomita R., Tonozuka T., Sakai H., Sakano Y.;
"Novel glucoamylase-type enzymes from Thermoactinomyces vulgaris and methanococcus jannaschii whose genes are found in the flanking region of the alpha-amylase genes";
Appl. Microbiol. Biotechnol. 56.465-473(2001).
EMBL; AB047926. BAB400518.; -; Genomic_DNA.
EMBL; AB049554; BAA97040.1; -; Genomic_DNA.
SEQUENCE 585 AA; 67467 MW; E311813Ã05A7791A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                            "Comparison of primary structures and substrate specificities of two pullulan-hydrolyzing alpha-amylases, TVA I and TVA II, from Thermoactinomyces vulgaris R-47."; Biochim. Biophys. Acta 1252:35-42(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                      MEDIJNE=96001349; Pubmed=7548164; DOI=10.1016/0167-4838(95)00101-Y; Tonozuka T., Mogi S., Shimura Y., Ibuka A., Sakai H., Matsuzawa H., Sakano Y., Ohta T.;
                                                                                                                                                                                                                                                   Ohta T., Sakano Y.;
Thermoactinomyces
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MEDLINE=21432651; PubMed=11549021; DOI=10.1007/8002530100609;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 585;
                                                                                                                                  Thermoactinomyces vulgaris.
Bacteria; Firmicutes; Bacillales; Thermoactinomycetaceae;
Thermoactinomyces.
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NCBI_TaxID=86665;
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                                                        10-MAY-2005 (TrEMBLrel. 30, Created)
10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
Alpha-amylase TVA II.
Name=tva II; Synonyms=tvaII;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-0CT-2000 (TrEMBLrel. 15, Created)
01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                   Tonozuka T., Ohtsuka M., Mogi S.-I., Sakai H., "A neopullulanase-type alpha-amylase gene from
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89;
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                               585 AA
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Pred. No. 89;
2; Mismatches
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Name=ftsE; OrderedLocusNames=BH3602;
Bacillus halodurans.
                               PRT;
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MEDLINE=93222535; PubMed=7763540;
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70.0%;
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Pred. No. 89;
2; Mismatches 1; Indels
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MEDLINE-22120827; PubMed-12125824;

MEDLINE-22120827; PubMed-12125824;

MEDLINE-22120827; PubMed-12125824;

MEDLINE-2120827; PubMed-12125824;

MARTHOR-ARIAG N., Henne A., Marzer A., Baeumer S., Jacobi C.,

MARTHOR-ARIAG N., Henne A., Miczer A., Baeumer S., Jacobi C.,

MARTHOR-ARIAG N., Lykidis A., Overbeek R., Klenk H.-P., Gunsalus R.P.,

Pritz H.-J., Gottesfalk G.;

Pritz H.-J., Gottesfalk G.;

The genome of Methanosarcina mazei: evidence for lateral gene

transfer between Bacteria and Archea.";

J. Mol. Microbiol. Biotechnol. 4:453-461(2002).

REMBL; AE013311; AAM30557.1; -; Genomic_DNA.

RO; GO:0004556; F.alpha-amylase activity; IEA.

MG); GO:0003824; F:carbalytic activity; IEA.

MG); GO:0003824; F:carbalytic activity; IEA.
                                                                                                                                    "Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and genomic sequence comparison with Bacillus subtilis.";
Nucleic Acids Res. 28:4317-4331(2000)
--- SIMILARITY: Belongs to the ABC transporter family.
PIR; B84100; B84100.
HSSP; Q58206; 112T.
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R GO; GO: 000552; F: ATP binding; IEA.
R GO; GO: 0001066; F: Incleotide binding; IEA.
R GO; GO: 0001066; F: Incleotide binding; IEA.
R GO; GO: 0000160; P: Incleotide binding; IEA.
R InterPro; IPR003593; AAA_ATPase.
R InterPro; IPR003439; ABC_transport.
R Frodom; P0000006; ABC_transporter; 1.
R Prodom; P0000006; ABC_transporter; 1.
R PROSITE; PS00211; ABC_TRANSPORTER 1; 1.
R PROSITE; PS50893; ABC_TRANSPORTER 2; 1.
R PROSITE; PS50893; ABC_TRANSPORTER 2; 1.
R ATP-binding; Complete proteome; Nucleotide-binding; Transport.
SEQUENCE 223 AA; 25219 MW; 0A47398B378497A4 CRC64;
MEDLINE=20512582; PubMed=11058132; DOI=10.1093/nar/28.21.4317; Takami H., Nakasone K., Takaki Y., Maeno G., Sasaki R., Masui N., Fuji F., Hirama C., Nakamura Y., Ogasawara N., Kuhara S.,
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OBPYKO.

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Pfam; PF03065; Glyco hydro_57; 1.
Complete proteome: SEQUENCE 378 AA; 1E
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STRAIN=ATCC 19118 / IFO 14298;

X MEDLINE=22586410; PubMed=12700255;

DOI=10.1128/JB.185.9.2759-2773.2003;

A chain P., Lamerdin J.E., Larimer F.W., Regala W., Lao V., Land M.L.,

A Hauser L., Hooper A.B., Klotz M.G., Norton J., Sayavedra-Soto L.A.,

A reciero D.M., Hommes N.G., Whittaker M.M., Arp D.J.;

"Complete genome sequence of the ammonia-oxidizing bacterium and

tr Complete genome sequence of the ammonia-oxidizing bacterium and

tr Dilgate chemolithoautoroph Nitrosomonas europaea.";

J. Bacteriol. 185:2759-2773 (2003)

EMBL; BX321860; CAD85147.1; -; Genomic_DNA.

OR GO: GO:00020037; F.heme binding; IEA.

RO; GO:0002018; P:electron transport; IEA.

InterPro; IPR012282; Cytochrome C.R.

RINGERPO; IPR012282; Cytochrome C.R.

RINGERPO; IPR012282; Cytochrome C.R.

PROSITE; PS51007; CYTC, — monohaem.

PROSITE; PS51007; CYTC, 1.

ROMDIBCE R89 AA; 100355 MW; 5B192209D38E3F53 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bacteria; Proteobacteria; Betaproteobacteria; Nitrosomonadales; Nitrosomonadaceae; Nitrosomonas. NCBI TaxID=915;
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Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
EMBL, AJ401026; CAB92957.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 596 AA; 66737 MW; 8230FE76F0D448B5 CRC64;
                                                                                                                                                                                                                                                                                                                                                  Thermoanaerobacter thermohydrosulfuricus (Clostridium
                                                                                                                                                                                            01-077-2000 (TrEMBLrel. 15, Created)
01-077-2000 (TrEMBLrel. 15, Last sequence update)
01-077-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein surA.
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66.7%; Pred. No. 2.2e+02;
tive 2; Mismatches 1;
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80.0%; Pred. No. 1.5e+02;
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QGJRPS;
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hes 8; Conservative
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63 ERGGSYAFDL 72
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MEDLINE-22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

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A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

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Brownstein M.J., Uddin T.B., Toshiyuki S., Carninci P., Frange C.,

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Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muurzhy D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Nillalon D.K., Muzzhy D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Nillalon D.K., Muzzhy D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Nillalon D.K., Muzzhy D.W., Sodergren E.D., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
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05-JUL-2004 (TERMBLrel. 27, Last sequence update)
05-JUL-2004 (TERMBLrel. 27, Last sequence update)
15-JUL-2004 (TERMBLrel. 27, Last annocation update)
17-ansforming acidic coiled coil 3 protein.
Name=tacc3; ORFNames=8b:cb500;
18-acidydanio rerio (Zebrafish) (Danio rerio).
18-acidydanio rerio (Zebrafish) (Danio rerio).
18-acidopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes; Cyprinidae; Danio.
18-acidopterygii; Teleostei; Ostariophysi; Cypriniformes; Cyprinidae; Danio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Still I.H., Vettaikkorumakankauv A.K., DiMatteo A., Liang P.;
"Structure-function evolution of the transforming acidic coiled coil
genes revealed by analysis of phylogenetically diverse organisms.";
BMC Evol. Biol. 4:16-16(2004).
EMBL, AX170618; AAO41453.1; -; mRNA.
ZEIN, ZDB-GENE-03131-9871; sb:cb500.
InterPro; IPR007707; TACC.
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Actinopterygii, Neopterygii, Teleostei, Ostariophysi, Cypriniformes,
Cyprinidae, Danio.
NCBI_Tax1D=7955,
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Transforming acidic coiled coil 3 protein.
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PubMed=15207008; DOI=10.1186/1471-2148-4-16;
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Q502S8;
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QEYBG7;
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127 QSRGAYSFDL 136
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1 EARGSYAFD 9
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Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Schnerch A., Schein J.E., Jones S.J.M., Marza M.A.,
"Generation and initial analysis of more than 15,000 full-length human
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        72.5%; Score 37; DB 2; Length 942; S0.0%; Pred. No. 2.3e+02; tive 5; Mismatches 0; Indels
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GO; GO: 0008026; F: ATP binding; IEA.

GO; GO: 0008026; F: ATP-dependent helicase activity; IEA.

GO; GO: 0008026; F: ATP-dependent helicase activity; IEA.

GO; GO: 0008071; F: DNA binding; IEA.

InterPro; IPR001410; DEAD.

InterPro; IPR001550; Helicase—C.

InterPro; IPR00130; SNP2 N.

Pfam; PF00271; Helicase—C; 2.

Fram; PF00176; SNP2 N; 1.

SWART; SM00487; DEXDc; 2.

SWART; SM00487; HELICC; 2.

SWART; SM00487; HELICC; 2.
                                                                                                                                                                                                                                                                                  TISSUE-Ovary;

NIH MGC Project;

Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.

EMBL; BC095273; AAH95573.1; -; mRNA.

Ensembl; ENSDARGG000005454; Danio rerio.

ZPIN; ZDB-GENE-050552-327; tacc3.

InterPro; IRR007707; TACC.

Pfam; PF05010; TACC; 1.

SEQUENCE 942 AA; 103668 MW; 8C2581B276E7FF35 CRC64;
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                                                                                                                                                and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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EMBL; AL606656; CAE05788.2; -; Genomic_DNA.
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Q7XK93;
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Name=OSJNBb0020J19.17;
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127 OSRGAYSFDL 136
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PubMed=15272401; DOI=10.1086/422697;
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54 EARESYSFD
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SEQUENCE 76 AA;
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Q8E172_STRAS
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QBE6M7 STR
SKARTTREES
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EMEL, AFS1863; Astalyli, 1. ; Genomic DNA.

EMEL, AFS1863; Astalyli, 2.; Genomic DNA.

EMEL, AFS1863; Astalyli, 2.; Genomic DNA.

EMEL, AFS1863; Astalyli, 2.; Genomic DNA.

EQ; GO:0003824; F:catalyli, 2.; Genomic DNA.

EQ; GO:00048037; F:catalyli, 2. EA.

EQ; GO:00048037; F:catalyli, 3. EA.

EQ; GO:0006633; P:catalyli, 3. EA.

EQ; GO:0009058; P:biosynthesis; IEA.

ENCEPTO; IPR000198; ADH short.

ENCEPTO; IPR000198; ADH short.

ENCEPTO; IPR000192; Phages AS.

ENCEPTO; IPR00105; Phages AS.

ENCEPTO; IPR00105; Bhages AS.

ENCEPTO; IPR001013; Thioseterase.

EMEN; PF00109; Ketoacyl-synt; 1.

EMEN; PF00109; Ketoacyl-synt; 1.

EMEN; PF00109; PP-binding; 3.

EMEN; PF00109; PP-binding; 3.

EMEN; PF00120; PP-binding; 3.

EMEN; PF00120; IIPROENTETHEINE; UNKNOWN 3.

EMEN; PROSITE; PS00012; PHOSPHOPANTETHEINE; UNKNOWN 3.

ENCONTE; PS00012; PHOSPHOPANTETHEINE; UNKNOWN 3.
Gaps
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Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales,
Pseudomonadaceae, Pseudomonas.
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0; Indels
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Bacteria, Firmicutes, Lactobacillales, Streptococcaceae,
                                                                                                                                                                                                                                         01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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25-0CT-2004 (TrEMBLrel. 28, Last sequence update)
25-0CT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical cycosolic protein.
3; Mismatches
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                                                                                                                                                                                                                     01-JUN-2002 (TrEMBLrel. 21,
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Q5xb18 STRP6 PRELIMINARY;
Q5Xb18;
                                                                                                                                                                           OBRL74 PSEFL PRELIMINARY;
OBRL74;
6; Conservative
                                                           :|:|:|||
200 KAKGAYAFD 208
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883 RGSFAFDV 890
                                    1 EARGSYAFD 9
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NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=NCIMB 10586;
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                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=294;
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                                                                                                                                                                                                                                                                                                          Name=mmpII;
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Matches
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Banks D.J., Porcella S.F., Barbian K.D., Beres S.B., Philips L.E., Voyich J.M., Deleo F.R., Martin J.M., Somerville G.A., Musser J.M.; Voyich J.M., Deleo F.R., Martin J.M., Somerville G.A., Musser J.M.; Progress toward characterization of the group A Streptococcus metagenome: complete genome sequence of a macrolide-resistant serotype M6 strain.";
J. Infect. Dis. 190:727-738 (2004).

BMBL; CP000003; AAT87395.1; -; Genomic_DNA.
Complete proteome; Hypothetical protein.
SEQUENCE 76 AA; 8738 MW; B799C51F207DDF95 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDINE=2222989; PubMed=1220047; DOI=10.1073/pnas.182380799; MEDINE=22222989; PubMed=1220047; DOI=10.1073/pnas.182380799; Tettelin H., Maaignani V., Ciealewicz M.J., Eisen J.A., Peterson S.N., Wessels M.R., Paulsen I.T., Nelson K.E., Margarit I., Read T.D., Madoff L.C., Wolf A.M., Beanan M.J., Brinkac L.M., Daugherty S.C., DeBoy R.T., Durkin A.S., Kolonay J.F., Madupu R., Lewis M.R., Carty H.A., Cline R.T., Van Aken S.E., Gill J., Scarselli M., Mora M., Iacobini E.T., Brettoni C., Galli G., Mariani M., Vegni F., Maione D., Rappuoli R., Telford J.L., Kasper D.L., Grandi G.,
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                                                                                                                                                                                                                                                                                                             Length 76;
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Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
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76 AA; 8712 MW; DA03E86F376ADF84 CRC64;
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01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
101-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein gbs0536.
OrderedLocusNames=gbs0536,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-WAR-2003 (TrEMBLrel. 23, Created)
1-WAR-2003 (TrEMBLrel. 23, Last sequence update)
01-WAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein SAG0490.
                                                                                                                                                                                                                                                                                                          Score 36; DB 2;
Pred. No. 29;
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Pred. No. 29;
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                                                                                                                                                                                                                                                                                                          70.6%;
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QBEGM7 STRA3 PRELIMINARY;
QBEGM7;
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                                                                           NUCLECTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].

NUCLECTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].

PubMed=15543133; DOI=10.1038/nbt1034;

A Bolotin A., Quinquis B., Renault P., Sorokin A., Ehrlich S.D.,

Kulakauskas S., Lapidus A., Golteman E., Mazur M., Pusch G.D.,

A Kulakauskas S., Lapidus R., Kyprides N., Purnelle B., Prozzi D.,

A Goffeau A., Overbeek R., Kyprides N., Burteau S., Boutry M., Delcour J.,

A Goffeau A., Hols P.;

A Gomplete sequence and comparative genome analysis of the dairy

L bacterium Streptococcus thermophilus.";

Nat. Biotechnol. 22:1554 1558 [2004).

E BEBL; CPO00024; AAV62200.1; -; Genomic_DNA.

Complete protecome; Hypothetical protein.

W Complete protecome; Hypothetical protein.

O SEQUENCE 76 AA; 8702 MW; 8AlD46b6ED56339B CRC64;
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BMEL, CPO00023; AAV6010.1; -; Genomic DNA.

Complete protecome; Hypothetical protein.

EMBL, GRA, 8702 MW; SAlD46DED56339B CRC64;
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Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
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Pred. No. 29;
1; Mismatches 1; Indels
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Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein spyM18 1526.
OrderedLocusNames=spyM18_1526;
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01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein.
OrderedLocusNames=stu0604;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
PubMed=15543133; DOI=10.1038/nbt1034;
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77.8%;
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QTGN12 STRP8
ID QTGN12 STRP8 PRELIMINARY;
AC QTGN12;
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QSMS90;
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Best Local Similarity 77.8
Matches 7; Conservative
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54 EARESYSFD 62
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                                          NCBI_TaxID=299768;
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Matches
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STRAIN=SF370 / ATCC 700294 / Serotype M1;

MEDLINE=1192648; PubMed=11296296; DOI=1073/pnas.071559398;

MEDLINE=21192648; PubMed=11296296; DOI=1073/pnas.071559398;

Ferretti J.J., McShan W.M., Ajdic D.J., Savic D.J., Savic G., Lyon K., Primeaux C., Sezate S., Suvorov A.N., Kenton S., Lai H.S., Lin S.P., Qian Y., Jia H.G., Najar F.Z., Ren Q., Zhu H., Song L., White J., Yuan X., Clifton S.W., Ren Q., Zhu H., Song L., White J., Yuan X., Clifton S.W., Ren Q., Shu, McLaughlin R.E.;

"Complete genome sequence of an M1 strain of Streptococcus pyogenes.";

Proc. Natl. Acad. Sci. U.S.A. 98:4658-4663 (2001).

EMBL, ARD06584; AARJ3105.1; -; Genomic_DNA.

Complete proteome; Hypothetical protein.

SEQUENCE 76 AA; 8710 MW; 3513FE1F207DDF8B CRC64;
                                                                                                           STRAIN=NBM316 / Serotype III;
MEDLINE=22245108; PubMed=1235421;
MEDLINE=22245108; PubMed=12354221;
MEDLINE=22245108; PubMed=12354221;
Meader F., Rusnick C., Couve E., Lalioui L., Poyart C., Trieu-Cuot P.,
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EMBL; AL766845; CAD46180.1.; Genomic_DNA.
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NCBI_TaxID=1314;
Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
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SEQUENCE 76 AA; 8712 MW; DA03E86F376ADF84 CRC64;
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Hypothetical protein SPy1508.
OrderedLocusNames=SPy1508;
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QSMOQ4;

01-FEB-2005 (TrEMBLrel. 29, L

01-FEB-2005 (TrEMBLrel. 29, L

01-FEB-2005 (TrEMBLrel. 29, L

Hypotherical protein.

OrderedLocusNames=str0604;
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Q99YW7;
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Matches 7; Conservative
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                                                                                       NUCLEOTIDE SEQUENCE
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EARESYSFD
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                                   NCBI_TaxID=216495;
                        Streptococcus
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NCBI_TaxID=66692;
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MEDLINE=22683278; PubMed=12799345; DOI=10.1101/gr.1096703;
Nakagawa I., Kurokawa K., Yamashita A., Nakata M., Tomiyasu Y.,
Okahashi N., Kawabata S., Yamazaki K., Shiba T., Yasunaga T.,
Hayashi H., Hattori M., Hamada S.;
"Genome sequence of an M3 strain of Streptococcus pyogenes reveals a large-scale genomic rearrangement in invasive strains and new insights into phage evolution.";
                                                                                                                                STRAIN-MGAS8232 / Serotype M18;
MEDLINE=21227593; PubMed=11917108; DOI=10.1073/pnas.062226099;
Smoot J.C., Barbian K.D., Van Gompel J.J., Smoot L.M., Chaussee M.S.,
Sylva G.L., Sturdevant D.E., Ricklefs S.M., Porcella S.F.,
Parkins L.D., Beres S.B., Campbell D.S., Smith T.M., Zhang Q.,
Kapur V., Daly J.A., Veasy L.G., Musser J.M.,
"Genome sequence and comparative microarray analysis of serotype M18
group A Streptococcus strains associated with acute rheumatic fever
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QTCEY6 STRP3 PRELIMINARY; PRT; 76 AA.
QTCEY6 Q70XP9;
Q7CEY6 Q79XP9;
Q7CEY6 Q70XP9;
Q7CEY6 Q70XP9;
Q7CEY6 Q70XP12004 (TERMELrel. 27, Last sequence update)
U5-JUL-2004 (TERMELrel. 31, Last annotation update)
U3-SEP-2005 (TERMELrel. 31, Last annotation update)
HYpothetical protein SpyM3 1162;
GrderedLocusNames-SP80700, SpyM3 1162;
Streptococcus pyogenes (serotype M3).
Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
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Pred. No. 29; 1; Indels
1; Mismatches 1; Indels
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Streptococcus pyogenes (serotype M18).
Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
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SEQUENCE 76 AA; 8710 MW; 3513FE1F207DDF8B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                           Complete protecme.
SEQUENCE 76 AA, 8710 MW; 3513FE1F207DDF8B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Proc. Natl. Acad. Sci. U.S.A. 99:10078-10083(2002)
                                                                                                                                                                                                                                                                                                                   outbreaks.";
Proc. Natl. Acad. Sci. U.S.A. 99:4668-4673(2002).
EMBL; AE010067; AAL98095.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENOME FEB. 13:1042-1055(2003).

EMBL, AE014159; AAM79769.1; -; GENOMIC_DNA.

EMBL, BA000034; BAC63795.1; -; GENOMIC_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=MGAS315 / Serotype M3;
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Best Local Similarity 77.87
Policy 7, Conservative
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54 EARESYSFD 62
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                                               Streptococcus.
NCBI_TaxID=301451;
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Takaki Y., Kageyama Y., Shimamura S., Suzuki H., Nishi S., Hatada Y.,
Kawai S., Ito S., Horikoshi K.,
"The complete genome sequence of the alkaliphilic Bacillus clausii
                                                                                                                                                                                                                       01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2001 (TrEMBLrel. 16, Last annotation update)
01-MAR-2001 (TrEMBLrel. 16, Last annotation update)
Arabidopsis thaliana genomic DNA, chromosome 5, Pl clone:MAE1.
Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Structural analysis of Arabidopsis thaliana chromosome 5. VII.
Sequence features of the regions of 1,013,767 bp covered by sixteen physically assigned Pl and TAC clones.";
DNA Res. 5:297-308 (1998).
EMBL; AB015472; BAB10108.1; -; Genomic DNA.
EMBL; AB008269; BAB10108.1; JOINED; Genomic DNA.
SEQUENCE 228 AA; 25330 MW; A7B08C687E45F3D5 CRC64;
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Pred. No. 88;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bacillus clausii (strain KSM-K16).
Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases
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InterPro; IPR003439; ABC transp_like.
PF00005; ABC_tran; 1.
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25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Cell-division ATP-binding protein.
Name=ftsE; OrderedLocusNames=ABC3065;
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PROSITE; PS50893; ABC_TRANSPORTER_2; 1.
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Best Local Similarity 70.00,
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QSWDG1;
                                                                                                                                                                                             Q9FJG8 ARATH PRELIMINARY;
Q9FJG8;
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EARESYSFD 62
1 EARGSYAFD 9
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MUCLEOTIDE SEQUENCE.

MEDLINE=20187497; PubMed=10722621;

DOI=10.1128/TAI.68.4.2205-2214.2000;

Sandt C.H., Hill C.W.;

"Four different genes responsible for nonimmune immunoglobulin-binding activities within a single strain of Escherichia coli.";

Infect. Immun. 68:205-2214(2000).

EMBL; AFISIO91; AF65232.1; -; Genomic_DNA.

GO; GO:0005377; C:cytoplasm; IEA.

GO; GO:0006817; P:phosphate transport; IEA.
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01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Mus musculus 9 days embryo whole body CDNA, RIKEN full-length enriched
library, clone:D030050D05 product:transforming, acidic coiled-coil
containing protein 2, full insert sequence.
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muridae; Murinae; Mus.
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MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
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STRAIN=C57BL/6J; TISSUE=Whole body;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
MEDLINE=21085660; PubMed=11217851; Posenia Y., Adachi J., Fukuda S., Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S., Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prophage P-EibA.
Viruses; dsDNA viruses, no RNA stage; Caudovirales; Siphoviridae.
NCBI_TaxID=120167;
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InterPro; IPR008460; Collagen.
Pfam; PF01391; Collagen; 3.
Pfam; PF03406; Phage fiber 2; 1.
SEQUENCE 479 AA; 47476 MW; 4632F483C8046FDA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                      Last sequence update)
Last annotation update)
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01-0CT-2000 (TrEMBLrel, 15, L
01-0CT-2003 (TrEMBLrel, 25, L
ORF-401-like protein.
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088004 MOUSE
ID 088004 MOUSE PRELIMINARY;
AC 088004
                                                                                                                                                                                                                                                               Q9LA62 9CAUD PRELIMINARY;
Q9LA62;
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Best Local Similarity 60.0
Matches 6; Conservative
                                           218 EGRGSFAFPI 227
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1 EARGSYAFDI 10
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091A62 9CP
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OSO098.
OSO0998.
O
                                                                                                                                                                                               Gaps
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Arabidopsis thallana (Mouse-ear cress).
Arabidopsis thallana (Mouse-ear cress).
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermaryota; Wagnoliophyta; eudicotyledons; core eudicots; rosids;
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Underwood B.A., Xiao Y., Moskal W., Monaghan B., Wang W., Redman J.,
Underwood B.A., Xiao Y., Town C.D.;
Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
EMBL, AY924875; AAX2350.1; -; mRNA.
Hypothetical protein.
SEQUENCE 262 AA; 29123 MW; 11EF8972A4AB97E2 CRC64;
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Xiao Y., Underwood B., Moskal W., Wang W., Redman J., Wu H.C., Utterback T., Town C.D., Town C.D., Town C.D., Seconstruction of CDNA sequences for hypothetical genes in Arabidopsis thaliana from 5' and 3' RACE products."; Arabidopsis thaliana from 5' and 3' RACE products."; Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. EMBL; AY800653; AAV68889.1; -; mRNA.
Hypothetical protein.
SEQUENCE 262 AA; 29127 MW; 4C52521A43329FCB CRC64;
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   ATP-binding; Complete proteome; Nucleotide-binding; Transport.
SEQUENCE 230 AA; 25811 MW; 67A70BC364A2329C CRC64;
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                                                                                                               Score 36, DB 2, Length 230;
Pred. No. 89;
4; Mismatches 1; Indels
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Last annotation update)
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Matches 5; Conservative
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Ruehl P., Lewis S., Matsuo Y., Nikaido I., Fesole G., Quackenbush J.,
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Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.P.,
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Lyons P., Marchioni L., Mashima J., Mazzatelli J., Mombaerts P.,
Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
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Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
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"Functional annotation of a full-length mouse cDNA collection.",
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Adachi J., Aizawa K., Akimura T., Harawa T., Bono H., Carninci P., Adachi J., Aizawa K., Akimura T., Hara A., Hashizume W., Atuda S., Furuno M., Hanagaki T., Hara A., Hashizume W., Hayashida K., Hayatsu N., Hiramoto K., Hiraoka T., Hirozane T., Horis F., Indiani Y., Itoh M., Kagawa T., Kaukawa T., Katoh H., Kawai J., Kojima Y., Kondo S., Konno H., Kouda M., Koya S., Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M., Nishi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Okazaki Y., Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H., Sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M., Tagawa A., Taya T., Yasunishi A., Muramatsu M., Hayashizaki Y., Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y., Fumited (UUL-2001) to the EmBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN=C57BL/6J; TISSUE=Whole body;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs.";
Nature 420:563-573(2002).
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MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y., Shibata K., Itoh M., "Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
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MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
Shibata K., Itoh M., Alzawa K., Nagaoka S., Sasaki N., Carninci P.,
Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
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Fujiwake S., Inoue K., Togawa W., Izawa M., Ohara E., Watshika M.,
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
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Genome Res. 10:1757-1771(2000).
Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
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InterPro; IPR007707; TACC.
                                                                                                                                                                                                                                                                                                                                                                                                      Nature 409:685-690(2001).
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIINE=99124785; PubMed=9887315; DOI=10.1006/viro.1998.9469; Kuzio J., Pearson M.N., Harwood S.H., Funk C.J., Evans J.T., Slavicek J.M., Rohrmann G.F.; Savicek J.M., Rohrmann G.F.; Sequence and analysis of the genome of a baculovirus pathogenic for Lymantria dispar.";
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Viruses; dsDNA viruses, no RNA stage; Baculoviridae;
Nucleopolyhedrovirus.
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75.0%; Pred. No. 2.2e+02;
ive 2; Mismatches 0; Indels
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Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; AL135793; CA195131.1; -; Genomic_DNA.
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
13-SEP-2005 (TrEMBLREL 2016-2011 Containing protein 2.
14-Momo sapiens (Human)
                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
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GO; GO:0005975; P:carbohydrate metabolism; IEA
GO; GO:0008152; P:metabolism; IEA.
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PROSITE; PS00583; PFKB_KINASES_1; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Virology 253:17-34 (1999).
EMBL; AF081810; AAC70256.1; -; Genomic_DNA.
PIR; T30418; T30418.
HSSP; 083008; 1EDQ.
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InterPro; IPR011223; Glyco_hydro_18.
InterPro; IPR001273; Glyco_hydro_18.
InterPro; IPR002173; PfkB.
InterPro; IPR002173; PfkB.
Pfam; PF00704; Glyco_hydro_18; 1.
ProDom; PD0004; Jlyco_hydro_18; 1.
SWART; SM00636; Glyco_18; 1.
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                                                                                                                                                                                                                                  01-MAY-1999 (TrEMBLrel. 10,
01-MAY-1999 (TrEMBLrel. 10,
01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                 RESULT 35
QOYMQT NPVLD
ID QOYMQT, NPVLD PRELIMINARY;
AC QOYMQT;
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Q4VXL3;
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Matches 6; Conservative
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AKGTYTFDI
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Best Local Similarity Matches 6, Conserv

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Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.W., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A., "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   659 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ensembl; ENSMUSG0000030852; Mus musculus.
MGI; MGI:1928899; Tacc2.
InterPro; IPR007707; TACC.
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ProDom; PD025423; Urocanase; 1.
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PROSITE; PS01233; UROCANASE; 1.
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X REDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
A Strausberg R.L., Feligold B.A., Grouse L.H., Derged J.G.,
A Klausner R.D., Collins F.S., Wagner L., Shemmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Halsh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hullyk S.W.,
A Nichards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hullyk S.W.,
A Nilalon D.K., Muzny D.M., Soderspren E.J., Lu X., Gibbs R.A.,
A Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muridae; Murinae; Mus.
                                                                                                                                                           Gaps
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                                                                                 Length 571;
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                                                                                                                                                           1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL, AL135793; CA195130.1; -; Genomic_DNA.
SEQUENCE 575 AA; 64675 MW; EBE9DB56CFA0E479 CRC64;
           571 AA; 64155 MW; 0C89A2D8C537269B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Transforming, acidic coiled-coil containing protein 2.
Name-TACC2; ORFNames-RP11-296H2.1-015;
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Last sequence update)
Last annotation update)
                                                                         70.6%; Score 36; DB 2; L
66.7%; Pred. No. 2.2e+02;
tive 2; Mismatches 1;
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Q99KQ6;
O1-JUN-2001 (TrEMBLrel. 17, Control of the cont
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Q4VXL4;
                                                                                                                Local Similarity 66.7
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35 AKGTYTFDI 43
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35 AKGTYTFDI 43
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Best Local Similarity
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           SEQUENCE
                                                                                 Query Match
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DQ 40XLA

AC Q4VXLA

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DO 13-SE

DO Names

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Nelson K.E., Fleischmann R.D., DeBoy R.T., Paulsen I.T., Fouts D.E., Bisen J.A., Daugherty S.C., Dodson R.J., Durkin A.S., Gwinn M.L., Haft D.H., Kolonay J.F., Nelson W.C., Mason T.M., Tallon L., Gray J., Granger D., Tettelin H., Dong H., Galvin J.L., Duncan M.J., Dewhirst R.E., Fraser C.M.;

"Complete genome sequence of the oral pathogenic bacterium Porphyromonas gingivalis strain W83.";
J. Bacceriol. 185:5591-5601(2003).

EMBL: AE017178; AA066889.1; -; Genomic_DNA.
                                                                                                                                        STRAIN-CZECH II;
TISSUB-Mammary tumor metastatized to lung. Tumor arose spontaneously;
TISSUB-Mammary tumor metastatized to lung. Tumor arose spontaneously;
Submitteed (FRB-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; BC004057; AAH04057.1; -; mRNA.
HSSP; P02649; 1GS9.
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Porphyromonas gingivalis (Bacteroides gingivalis).
Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             70.6%; Score 36; DB 2; Length 598; 66.7%; Pred. No. 2.3e+02; ive 2; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pfam; PF05010; TACC; 1.
SEQUENCE 598 AA; 67057 MW; 3624051C22F57997 CRC64;
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GO; GO:0016153; F:urocanate hydratase activity; IEA.
GO; GO:0006548; P:histidine catabolism; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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REALINES-2184401; PubMed=11859360; DOI=10.1038/nature724;

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Rayles J. Brown S., Chillingworth T., Churcher C.M.,

Rod Gries S., Goble A., Hamlin N., Harris D.E., Hiddlago J., Hodgson G.,

Rod Holroyd S., Hornsby T., Howarth S., Huckle E.J., Hunt S., Jagels K.,

James K.D., Jones L., Jones M., Leather S., McDonald S., McLean J.,

RA Holroyd S., Moules S., Munghyl L.D., Niblett D., Odell C.,

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Ratherford K.M., Rutter S., Saunders R., Squares S., Stevens K.,

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Ratherson R.G., Volckaert G., Aert R., Robben J., Grymonprez B.,

Raylor K., Jolckaert G., Aert R., Robben J., Grymonprez B.,

Raylor K., Volckaert G., Aert R., Robben J., Grymonprez B.,

Raylor K., Jaylor R.G., Tivey A., Walsh S.V., Warren T., Whitehead S.,

Raylor K., Jaylor R.G., Liney A., Walsh S.V., Marrer E.,

Rabeljens I., Vanstreels E., Rieger M., Schaefer M., Meiller-Auer S.,

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Rabeljens I., Vanstreels E., Rieger M., Schaefer M., Meiller R.,

Robft T.M., Eger P., Zimmermann W., Wedler H., Wambutt R.,

Robft T.M., Gadieu E., Dreano S., Gloux S., Lelaure V., Mottier S.,

Lucas M., Rochet M., Gaillardin C., Tallada V.A., Garzon A., Thode G.,

B. Dominguez A., Revuelta J.L., Moreno S., Armetrong J., Forsburg S.L.,

Rominguez A., Revuelta J.L., Moreno S., Armetrong J., Forsburg S.L.,

Raylor K., He gerry D., Barrell B.G., Nurse P.,

Raylor W., He gerry D., Barrell B.G., Nurse P.,

Raylor W., He gerry D., Barrell B.G., Nurse P.,

Raylor W., He gerry D., Barrell B.G., Nurse P.,

Raylor W., He gerry D., Barrell B.G., Nurse P.,

Raylor W., He gerry D., Barrell B.G., Nurse P.,

Raylor W., He gerry D., Barrell B.G., Nurse P.,

Raylor W., Roder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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013796; Q9P7G1;
15-DEC-1998 (Rel. 37, Last sequence update)
110-MAY-2005 (Rel. 47, Last sequence update)
110-MAY-2005 (Rel. 47, Last annotation update)
110-MAY-2005 (Rel. 47, Last annotation update)
110-MAY-2005 (Rel. 47, Last annotation update)
110-MAY-2005 (Rel. 47, Last annotation update)
110-MAY-2005 (Rel. 47, Last annotation update)
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Poly-Lys.
; C8BB75A277504981 CRC64;
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EMBL; AL159951; CAB77008.1; -; Genomīc_DNA.
PIR; T37850; T37850.
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InterPro; IPR006994; DUF654.
Pfam; PF04910; DUF654; 1.
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on 5.1.6 Compugen Ltd. Search time 62.5862 Seconds Without allgnments)		parameters: 2443163	::* ::* ::* ::* ::* ::* ::* ::* ::* ::*	Description Abb85368 Antibody Aab865166 Antibody Aab866416 Human Fab Aac28850 Human RDR Aau76330 Human Ant Abj26743 VEGF bind Add24394 Human Igg Add69228 Human lig Add69229 Human lig Add80771 Human var Add80771 Human ant Add80771 Human nan Add81824 RUMA tra Add81824 RUMAn tra Add88677 Human cD2 Ad88807 Human CD2	Ads64649 Human ant Ads52384 Fab targe Ads52432 Fab targe Adw07089 Anti-PsaA Adw07085 Anti-PsaA
GenCore version Copyright (c) 1993 - 2005 OM protein - protein search, using sw model Run on: December 14, 2005, 07:11:28;	Title: Perfect score: 49 Sequence: 1 1 Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5 Searched: 2443163 seqs, 439378781 res	Total number of hits satisfying chosen param Minimum DB seq length: 0 Maximum DB seq length: 2000000000 Maximum DB seq length: 2000000000000000000000000000000000000	Database : A_Geneseq_21:* 1: geneseqp1990s:* 2: geneseqp1990s:* 3: geneseqp2000s:* 4: geneseqp2001s:* 5: geneseqp2001s:* 6: geneseqp2003as:* 7: geneseqp2003as:* 8: geneseqp2003as:* 9: geneseqp2004s:* 9: geneseqp2005s:* 9: geneseqp2005s:* and is the number of results priscore greater than or equal to the scand is derived by analysis of the tot.	Result Query Ducy B ID No. Score Match Length DB ID 1 49 100.0 11 4 AAB65416 3 49 100.0 11 5 AAE28856 4 49 100.0 11 5 AAE28650 5 49 100.0 11 5 AAE28650 7 49 100.0 11 7 ADD69238 8 49 100.0 11 7 ADD69238 9 49 100.0 11 7 ADD69235 10 49 100.0 11 7 ADD69235 11 49 100.0 11 7 ADB69419 13 49 100.0 11 8 ADB89428 14 49 100.0 11 8 ADS88067 15 49 100.0 11 8 ADS88067 16 49 100.0 11 8 ADS88067 17 49 100.0 11 8 ADS88067 18 49 100.0 11 8 ADS88067 19 49 100.0 11 8 ADS88067 19 49 100.0 11 8 ADS88067 19 49 100.0 11 8 ADS88067	49 100.0 11 8 49 100.0 11 8 49 100.0 11 8 49 100.0 11 9 49 100.0 11 9

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RESULT 2
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Adf11411 16E1 anti
Adx02205 SARS coro
Adx02049 SARS coro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New anti-IL-1beta antibody molecule, comprising at least 1 one immunoglobulin heavy chain variable domain (VH) which comprises hypervariable regions CDR1, CDR2 and CDR3, for treating autoimmune and inflammatory diseases.
                                                                                                                                                                                                               Interleukin lbeta; IL-lbeta; antibody AAL 160; immunosuppressive; cerebroprotective; antiallargic; antiallargic; antiallargic; osebropathic; vasotropic; antiathritic; dermatological; antithyroid; neuroprotective; vulnerary; immunomodulator; cytostatic; anti-HIV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 49; DB 4; Length 11; 100.0%; Pred. No. 0.0046; tive 0; Mismatches 0; Indels
                                                                                                                                                                                         Antibody AAL 160 light chain variable domain CDR1 region.
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(NOVS ) NOVARTIS-ERFINDUNGEN VERW GES MBH.
                                                            ALIGNMENTS
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ADF11411
ADX02205
ADX02049
                                                                                                                    AAB85368 standard; peptide; 11 AA
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The present sequence is given in a specification relating to a novel human antibody that is capable of recognising the Epithelial Glycoprotein. 2 (ECP-2) antigen. The antibody is useful for prevention and/or treatment of conditions associated with cancer. Such conditions include solid tumours, blood born tumours such as leukaemia, tumour metastasis, benign tumours, for e.g. haemangiomas, accustic neuromas, rheumatoid arthritis, psoriasis, ocular angiogenic diseases, diabetic retinopathy, myocardial angiogenesis, telangiectasia, wound granulation, angiogenesis, clashetic neutibody is useful for invivo imaging of cancer and for adjuvant treatment of cancer. Vectors expressing the antibody are useful for inducing an immunological response in a mammal in vivo. The vector is selected from fowl pox virus (FPV), canary pox (ALVAC), entomopox virus, vaccinia virus such as modified virus ankara (MVA) and NYVAC or other non-replicating viral vector systems in order to provide a dual immunotherapeutic approach
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                                                                                                                                                                                                                                                                           Human; VH; heavy chain variable region; VL; light chain variable region;
                                                                                                                                                                                                                                                                                                               cytostatic; antiarthritic; antipsoriatic; antidiabetic; antirheumatic;
                                                                                                                                                                                                                                                                                                                                        opthalmological, vasotropic; gynaecological; gene therapy; epithalial glycoprotein-2; BGP-2; cancer; leukaemia; haemangioma; acoustic neuroma; theumatoid arthritis; psoriasis; angiogenesis; telangiectasis; diabetes; vasculogenesis; reproductive disorder; LD9; complementarity determining region 1; CDR1.
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AAB66416 standard; peptide; 11 AA.
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                                                                                                                                                                                                       Human Fab clone LD9 VL CDR1.
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The invention relates to a method of inhibiting tumour growth which involves administering, vascular endothelial growth factor receptor (WEGFR) antagonists in combination with radiation, chemotherapeutic agent, or epidermal growth factor receptor (EGFR) antagonist. The method is useful for inhibiting tumour growth in a human, where the tumour (e.g. tumour of the breast, heart, lung, small intestine, colon, spleen, bone, kidney, bladder, head and neck, ovary, prosette, brain, pancreas, skin, come marrow, blood, thymus, uterus, testicles, cervix or liver) over expresses VEGFR. It is also useful for inhibiting growth of colon tumour or non-small cell lung carcinoma (NSCLC) and tumour overexpressing EGFR. It is preferably useful for treating subjects with both solid tumours, preferably high vascular tumours and non-solid tumours. The inhibition or reduction of tumour growth includes prevention or inhibition of the progression of tumour includes prevention or inhibition of the progression of tumours includes the invasiveness metastasis, recurrence and increase in size of the tumour. The present sequence is human NSCR (VEGFR-2). Fab antibody light chain complementarity determining
                                                                                                                              Human; tumour; vascular endothelial growth factor receptor; metastasis; spidermal growth factor receptor; non-small cell lung carcinoma; NSCLC; breast; VBGFR; heart; EGFR; complementarity determining region; therapy; invasiveness; CDR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inhibiting tumor growth in humans involves administering vascular endothelial growth factor receptor antagonists in combination with radiation, chemotherapeutic agents, or epidermal growth factor receptor
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                                                                                            Human KDR (VEGFR-2) Fab light chain CDR1 from D2C6 clone.
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                                                        27-DEC-2002 (first entry)
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nes 11; Conserv
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                      AAE28850;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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ID AAU7
XX
AC AAU7
XX
DT 21-M
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The invention relates to an isolated mammalian anti-dual integrin
antibody having at least one of the human heavy chain or light chain
complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also
included are the nucleic acids encoding the CDRs, a vector comprising the
complementary determining region (CDR, HC CDR3, an anti-diotype
included are the nucleic acids encoding the CDRs, a vector comprising
contained that binds to the ant-dual integrin, a medical device comprising
the antibody suitable for administration by parenteral, subcutaneous,
intraabdominal, intravenous, intracticular, intrabronchial,
intraabdominal, intracapsular, intracartilaginous, intracavitary,
intracabelebellar, or other routes as given in specification. The antibody
is useful for diagnosing or treating a dual integrin related condition in
an animal for example, immune related disease such as rheumatoid
contained an animal, diabetes, cardiovascular disease such as
arteriosclerosis, atherosclerosis, restenosis, angina pectoris,
current, and fungal infections disease in a cell such as bacterial,
curral, and fungal infections, pneumonia, leprosy, malaria; malignant
cdisease such as leukaemia, chronic myelocytic leukaemia, Burkit's
lymphoma, multiple myeloma; neurological disease such as multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                    Human; antibody; dual integrin; CDR; light chain variable region; LC CDR; medical device; immune related disease; rheumatoid arthritis; gastric ulcer; asthma; allergic rhinitis; Crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; pneumonia; leprosy; malaria; malignant disease; leukaemia; chronic myelocytic leukaemia; multiple myeloma; neurological disease; multiple sclerosis; Parkinson's disease; Alzheimer's disease; Creutzfeldt-Jakob disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease,
Creutzfeldt-Jakob disease and many other diseases given in the
specification. The present sequence is an anti-dual integrin human light
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
Human anti-dual integrin antibody light chain variable region CDR1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 49; DB 5; Length 11; 100.0%; Pred. No. 0.0046;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Trikha M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Snyder L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 29; Page 133; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                07-AUG-2001; 2001WO-US024784.
                                                                                                                                                                                                                                                                                                                                                                                                                                            07-AUG-2000; 2000US-0223363P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Giles-Komar J, Heavner G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 RASQSVSSYLA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (CENZ ) CENTOCOR INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2002-217193/27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                             WO200212501-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 11 AA;
                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                         14-FEB-2002.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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RASQSVSSYLA 11

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Gaps

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RESULT 5 ABJ26743

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The invention relates to a method of inhibiting tumour growth comprising administering to a human a vascular endothelial growth factor receptor (VEGFR) antagonists and epidermal growth factor receptor (EGFR) antagonist. The method is useful for inhibiting tumour growth. The present sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                         Inhibiting tumor growth by administering to a human a vascular endothelial growth factor receptor (VEGFR) antagonist and epidermal growth factor receptor (EGFR) antagonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                monoclonal antibody; heavy chain variable region; light; framework; complementerity determining; CDR1; FR1; FR2; CDR2; FR3; CDR3; FR4; prostate specific embrane antigen; PSW4; cytostatic; tumour; colon cancer; renal carcinoma; gene therapy; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human light chain variable region CDR1 peptide - SEQ ID 42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 49; DB 7; Length 11; 100.0%; Pred. No. 0.0046; Dred. o. Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 9; SEQ ID NO 1; 90pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADD69238 standard; peptide; 11 AA.
                                                                                                                            940S-00326552
95US-00476533
96US-00706804
97US-00779450
97US-00967113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-JAN-2003; 2003WO-US002448.
                                                                          2002US-00091300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-JAN-2002; 2002US-00059989
                                                                                                                                                                                                                                                  02-MAR-2001; 2001US-00798689
                                                                                                                                                                                                                                                                                                                                                Goldstein NI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100 hes 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 RASQSVSSYLA 11
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                                                                                                                                                                                                                                                                                                          (GOLD/) GOLDSTEIN N I.
                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-801265/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MEDA-) MEDAREX INC
                                                                                                                                                                                                                                                                                          ROCKWELL P.
US2003108545-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2003064606-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 11 AA;
                                                                                                                                20-OCT-1994;
07-JUN-1995;
03-SEP-1996;
                                                                        04-MAR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                          07-JAN-1997;
                                                                                                                                                                                                            10-NOV-1997;
                                                                                                                                                                                                                            22-SEP-1999;
                                                                                                                                                                                                                                                                                                                                                Rockwell P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-JAN-2004
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                                      12-JUN-2003
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                                                                                                                                                                                                                                                                                      ROCK/)
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a novel antibody having a first antigen binding site specific for a first vascular endothelial growth factor (VEGF) receptor and a second antigen-binding site specific for a second VEGF receptor. The bispecific antigen-binding proteins block activation of the VEGF receptor and are useful for reducing or inhibiting VEGF-induced cellular functions such as mitogenesis of vascular endothelial cells and migration of leukaemia cells. The antibodies are useful for treating tumours and for in vivo or in vitro for investigative and diagnostic methods. This sequence represents a human peptide relating to the bispecific antibodies that bind to the VEGF receptors of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 second
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New bispecific antibodies having antigen-binding sites specific for a first vascular endothelial growth factor (VEGF) receptor and for a second VEGF receptor, useful for inhibiting migration of leukemia cells, or for
                                                                                                                                                      VEGF receptor; mitogenesis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tumour; vascular endothelial growth factor receptor; VEGFR; epidermal growth factor receptor; EGFR; cancer; human; IgGl; immunoglobulin.
                                                                                                                                            Cytostatic; antibody; antigen binding site; VEGF receptor; n
leukaemia cell; vascular endothelial growth factor; tumour;
bispecific antigen-binding protein; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 49; DB 6; Length 11; 100.0%; Pred. No. 0.0046; 1ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human IgG1 heavy chain variable region CDR-H1 #1.
                                                                                                              VEGF binding related peptide SEQ ID No 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD24394 standard; peptide; 11 AA
ABJ26743 standard; peptide; 11 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 14; Page 26; 98pp; English
                                                                                                                                                                                                                                                                                                                                              26-JUN-2002; 2002WO-US020332
                                                                                                                                                                                                                                                                                                                                                                                       26-JUN-2001; 2001US-0301299P
                                                                                                                                                                                                                                                                                                                                                                                                                           (IMCL-) IMCLONE SYSTEMS INC
                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     treating tumors.
                                                                                                                                                                                                                                                                    WO2003002144-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11 AA;
                                                                                                                                                                                                                                Ното варіепв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                          01-MAY-2003
                                                                                                                                                                                                                                                                                                          09-JAN-2003
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                                    ABJ26743;
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Matches

RESULT 6

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ADD24394

1D ADD2

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XX LUMC

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XX XX

XX TUMC

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Gaps

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Deo YM, Graziano R, Hudson D, Holmes EH, Tino WT, Black A;

chain and

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The invention relates to a novel isolated human monoclonal antibody comprising a human heavy chain variable region and a human light chain variable region both comprising FR (framework region)-1, CDR (complementarity determining region)-1, FR2, CDR2, FR3, CRD3 and FR4 sequences. The antibody is directed against the human prostate specific membrane antigen (PSMA). The monoclonal antibody of the invention demonstrates cytostatic activity and may be useful for treating or preventing a disease characterised by the growth of tumour cells such as cancer, particularly prostate cancer, colon cancer or renal carcinoma, as well as duing gene therapy procedures. The current sequence is that of the human light chain variable region CDR1 peptide of the invention.
                                                            New isolated human monoclonal antibody comprising a human heavy chain a human light chain variable regions, both comprising FR1, CDR1, FR2, CDR2, FR3, CRD3 and FR4 sequences, useful for treating or preventing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 49; DB 7; Length 11; 100.0%; Pred. No. 0.0046; ive 0; Mismatches 0; Indels
                                                                                                                                                                           Claim 3; SEQ ID NO 42; 136pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADD69232 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-618360/58.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 11 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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ID ADD
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Gaps

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Human light chain variable region CDR1 peptide - SEQ ID 36.
      (first entry)
       15-JAN-2004
  ADD69232;
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monoclonal antibody; heavy chain variable region; light; framework; complementarity determining; CDR1; FR1; FR2; CDR2; FR3; CDR3; FR4; prostate specific membrane antigen; PSW4; cytostatic; tumour; colon cancer; renal carcinoma; gene therapy; human.

Homo sapiens

WO2003064606-A2

07-AUG-2003.

28-JAN-2003; 2003WO-US002448

28-JAN-2002; 2002US-00059989.

(MEDA-) MEDAREX INC

New isolated human monoclonal antibody comprising a human heavy chain and a human light chain variable regions, both comprising FR1, CDR1, FR2, CDR2, FR3, CRD3 and FR4 sequences, useful for treating or preventing WPI; 2003-618360/58.

Black A;

Holmes EH, Tino WT,

Hudson D,

Graziano R,

Deo YM,

Claim 3; SEQ ID NO 36; 136pp; English

cancer.

The invention relates to a novel isolated human monoclonal antibody comprising a human heavy chain variable region and a human light chain

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variable region both comprising FR (framework region)-1, CDR (complementarity determining region)-1, FR2, CDR2, FR3, CRD3 and FR4 sequences. The antibody is directed against the human prostate specific membrane antigen (PSMA). The monoclonal antibody of the invention demonstrates cytostatic activity and may be useful for treating or preventing a disease characterised by the growth of tumour cells such as cancer, particularly prostate cancer, colon cancer or renal carcinoma, as well as duing gene therapy procedures. The current sequence is that of the human light chain variable region CDR1 peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a novel isolated human monoclonal antibody comprising a human heavy chain variable region and a human light chain variable region both comprising FF (framework region)-1, CDR (complementarity determining region)-1, FRZ, CDRZ, FRZ, CRD3 and FR4 sequences. The antibody is directed against the human prostate specific membrane antigen (FSMA). The monoclonal antibody of the invention demonstrates cytostatic activity and may be useful for treating or preventing a disease characterised by the growth of tumour cells such as cancer, particularly prostate cancer, colon cancer or renal carcinoma, well as duing gene therapy procedures. The current sequence is that of the human light chain variable region CDRI peptide of the invention.
                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                monoclonal antibody; heavy chain variable region; light; framework; complementearity determining; CDR1; FR1; FR2; CDR2; FR3; CDR3; FR4; prostate specific membrane antigen; PSW4; cytostatic; tumour; colon cancer; renal carcinoma; gene therapy; human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human light chain variable region CDR1 peptide - SEQ ID 39.
                                                                                                                                                                                                                                      100.0%; Score 49; DB 7; Length 11; 100.0%; Pred. No. 0.0046;
                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tino WT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Holmes EH,
                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 3; SEQ ID NO 39; 136pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD69235 standard; peptide; 11 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-JAN-2003; 2003WO-US002448.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                          Local Similarity 100
108 11; Conservative
                                                                                                                                                                                                                                                                                                                   1 RASOSVSSYLA 11
                                                                                                                                                                                                                                                                                                                                                 RASQSVSSYLA 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MEDA-) MEDAREX INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003064606-A2
                                                                                                                                                                                                   Sequence 11 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
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Matches
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The present sequence is that of complementarity determining region 1

(CDR1) of the light chain variable region of claimed mammalian anti-
tumour necrosis factor (TNF) antibodies of the invention. The CDR is
derived from a human TNF reactive IGG monoclonal antibody generated by
cloning variable and constant region DNA in vector pC4 and expression in
CMO cells. The invention provides isolated human, primate, rodent,
mammalian, chimeric, humanized and/or CNR-grafted anti-TNF antibodies,
immunoglobulins, their cleavage products, other specified portions and
cariants, as well as anti-TNF antibody compositions, nucleic acids
encoding these, vectors, host cells, methods for producing the antibodies
using a host cell, transgenic animal or transgenic plant or plant cell,
and therapeutic compositions, methods and devices. The antibody, nucleic
and therapeutic compositions and methods are useful for diagnosing or
caid, protein, composition and methods are useful for diagnosing or
treating an anti-TNF related condition, e.g. cancer, anorexia, cachexia,
or an immune, cardiovascular, infectious, and/or neurological disease.
eating-disorders-gen; immunomodulator; antimicrobial; cardiovascular-gen;
                                                                                                                                                                                                                                                                                                New isolated mammalian anti-tumor necrosis factor (TNF) antibody, useful for diagnosing or treating an anti-TNF related condition, e.g. cancer, anorexia, cachexia, or bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            fusion protein, transferrin protein; glycosylation; antibody variable region; cytostatic; antibacterial; virucide; antibarasitic; immunosuppressive; antiarthritic; gene therapy; septic shock; endotoxic shock; cachexia syndrome; bacterial infection; viral infection; parasitic infection; neoplasm; autoimmune disease; arthritis; graft rejection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human transferrin fusion protein-related CDR1 peptide SeqID63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 49; DB 7;
Pred. No. 0.0046;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                      Carton JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADH89419 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                 Claim 2; Page 85; 87pp; English.
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                                                                                                                                         24-MAR-2003; 2003WO-US009072.
                                                                                                                                                                        26-MAR-2002; 2002US-0367903P.
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                                                                                                                                                                                                                                      Giles-Komar J, Scallon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 RASQSVSSYLA 11
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                                                                                                                                                                                                       (CENZ ) CENTOCOR INC
                                                                                                                                                                                                                                                                      WPI; 2003-804040/75.
                  neuroprotective
                                                                            WO2003083061-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003226155-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 11 AA;
                                               Homo sapiens.
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                                                                                                            09-OCT-2003
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel isolated human antibody or its fragment binds selectively to KDR. An antibody of the invention has cytostatic activity, and may have a use in gene therapy. The antibody is anti-KDR antibody. The antibody is useful for preparing a composition for reducing tumour growth and inhibiting angiogenesis. The present sequence is used in the exemplification of the invention.
                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New human anti-KDR antibody, useful for preparing a composition for reducing tumor growth and inhibiting angiogenesis.
                                                                                                                                                                                                                                                                                                     human; antibody; KDR; cytostatic; gene therapy; anti-KDR antibody;
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100.0%; Score 49; DB 7; Length 11; 100.0%; Pred. No. 0.0046;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 49; DB 7; Length 11; 100.0%; Pred. No. 0.0046;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; Tumour necrosis factor; TNF; antibody;
complementarity determining region; cytostatic; anabolic;
                             0; Indels
                                                                                                                                                                                                                                                                    Human variable light chain CDR1 KDR antibody SEQ ID NO:1.
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                               0; Mismatches
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                                                                                                                                                                       ADD80771 standard; peptide; 11 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADD89874 standard; peptide; 11 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-MAR-2002; 2002US-0361783P.
                                                                                                                                                                                                                                                                                                                                                                                                                                             04-MAR-2003; 2003WO-US006459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (IMCL-) IMCLONE SYSTEMS INC.
                                                                                                                                                                                                                                      (first entry)
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                                Conservative
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                                                              1 RASQSVSSYLA 11
                                                                                        1 RASQSVSSYLA 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-779032/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                WO2003075840-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11 AA;
                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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                             11;
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 Query Match
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                  Best Loca
Matches
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Gaps

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Length 11; 0; Indels

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This invention relates to a novel fusion protein which comprises a transferrin protein exhibiting reduced glycosylation fused to at least one antibody variable region. The invention may be useful for the development of compounds with cytostatic, antibacterial, virucide, antiparasitic, immunosuppressive or antiarthritic activity. In addition, the sequences disclosed may be useful for gene therapy. The fusion protein is useful for preparing a composition for treating a disease or disease symptom in a parient for example septic shock, endotoxic shock, cachexia syndromes associated with bacterial, viral or parasitic infections, neoplasm, autoimmune disease, arthritis or adverse effects associated with treatment for preventing graft rejection. The present sequence is that of a CDR I peptide which was used in the exemplification
                                                                                                                                                                                                                             New fusion protein comprising a transferrin protein exhibiting reduced glycosylation fused to at least one antibody variable region, useful for preparing a composition for treating e.g., septic shock, neoplasm or autoimmune disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antibody; antigen binding site; vascular endothelial growth factor; VEGF receptor; immunoglobulin; tumour; angiogenesis; cytostatic; immunostimulant; vaccine; kinase insert domain-containing receptor; KDR; human; CDR; complementarity determining region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KDR binding human Fabs light chain CDR1 peptide, SEQ ID 53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 49; DB 8; Length 11; 100.0%; Pred. No. 0.0046; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                Example 2; SEQ ID NO 72; 82pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADK18247 standard; peptide; 11 AA.
                                                                                                                                       Turner A;
30-NOV-2001; 2001US-0334059P.
30-AUG-2002; 2002US-00231494.
30-AUG-2002; 2002US-0406977P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-DEC-2002; 2002WO-US041372.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-JUN-2002; 2002WO-US020332.
                                                                                          (BIOR-) BIOREXIS PHARM CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best_Local Similarity 100
Matches 11; Conservative
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                                                                                                                                       Prior CP,
                                                                                                                                                                                WPI; 2004-022093/02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-083065/08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 11 AA;
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                                                                                                                                       Sadeghi H,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This invention relates to a novel fusion protein which comprises a transferrin protein exhibiting reduced glycosylation fused to at least one antibody variable region. The invention may be useful for the development of compounds with cytostatic, antibacterial, virucide, antiparasitic, immunosuppressive or antiarthritic activity. In addition, the sequences disclosed may be useful for gene therapy. The fusion protein is useful for preparing a composition for treating a disease or disease symptom in a patient for example septic shock, endotoxic shock, infections, neoplasm, autoimmune disease, arthritis or adverse effects associated with treatment for preventing graft rejection. The present sequence is that of a CDR I peptide which was used in the exemplification
                                                                                                                                                                                                                                                                                                                                         New fusion protein comprising a transferrin protein exhibiting reduced glycosylation fused to at least one antibody variable region, useful for preparing a composition for treating e.g., septic shock, neoplasm or autoimmune disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fusion protein, transferrin protein, glycosylation,
antibody variable region, cytostatic, antibacterial; virucide,
antiparasitic, immunosuppressive, antiarthritic, gene therapy,
septic shock; endotoxic shock; cachexia syndrome; bacterial infection,
viral infection, parasitic infection, neoplasm; autoimmune disease,
arthritis; graft rejection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 2; SEQ ID NO 63; 82pp; English
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                                                                                                                                                                                                                                                     Turner A;
                                                                                                        2001US-0334059P.
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                                          10-MAR-2003; 2003US-00384060
                                                                                        2001US-0315745P
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                                                                                                                                                                                                                                                Sadeghi H, Prior CP,
                                                                                                                                                                                                                                                                                              WPI; 2004-022093/02
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 11 AA;
                                                                                 30-AUG-2001;
                                                                                                             30-NOV-2001;
30-AUG-2002;
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Best Local
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RESULT 13

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Gaps

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The invention relates to a novel antibody having a first antigen binding site specific for a first vascular endothelial growth factor (VEGF) creceptor and a second antigen specific for a second vEGF receptor. The invention further relates to: an antibody that specifically binds to an extracellular domain of a first VEGF receptor and an extracellular domain of a first VEGF receptor and an extracellular domain of a first VEGF receptor and an extracellular domain of a second VEGF receptor, where binding of that vEGF receptor; a method for making the antibody by co-expressing in a host cell a method for making the antibody by co-expressing in a host cell a menoglobulin light chain variable domain; a recombinant DNA construct immunoglobulin light chain variable domain; a recombinant DNA construct chain variable domain located to the N-terminus of the first cantibody; a method for neutralizing activation of a first VEGF receptor cantibody; a method for neutralizing activation of a first VEGF receptor and the second VEGF receptor in a cell by treating a cell with the antibody cited above; a method for reducing tumour growth in a mammal by creating the mammal with the antibody of cred above; an enthod for reducing tumour growth in a mammal by cantibody ited above. The antibody died sycostatic and immunostimulant activities. The VEGF receptor antigen can be used to create a vaccine. The antibody is useful for reducing tumor growth in a mammal and for inhibiting andjogenesis. This sequence represents a human kinase insert domain. Containing receptor binding Fabs complementarity determining
New antibody having a first and second binding sites specific for a first and second vascular endothelial growth factor (VBGF) receptor, useful for reducing tumor growth in a mammal and for inhibiting angiogenesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    region (CDR) peptide of the invention.
                                                                                                                     Claim 14; SEQ ID NO 53; 99pp; English
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Gaps
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0
100.0%; Score 49; DB 8; Length 11; 100.0%; Pred. No. 0.0046; ive 0; Mismatches 0; Indels
 Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                     1 RASOSVSSYLA 11
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Interleukin-1 receptor type 1 antibody light chain variable region CDR1. ADM41605 standard; peptide; 11 AA. (first entry) RASOSVSSYLA 11 03-JUN-2004 ADM41605; 8

antiasthmatic; antiinflammatory; dermatological; antiallergic; protozoacide; antirheumatic; antiarthritic; osteopathic; vasotropic; antagesic; antidiabetic; nephrotropic; antianaemic; nootropic; anticonumbant; dermatological; antianaemic; antiparkinsonian; antidiabetic; cytostatic; complementarity determining region. Human; monoclonal antibody; antibody; interleukin-1; receptor;

05-SEP-2003; 2003WO-US027978 06-SEP-2002; 2002US-0408719P 402004022718-A2 18-MAR-2004

Homo sapiens

(AMGE-) AMGEN INC

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The present sequence is that of complementarity determining region 1 (CDR1) of the human anti-interleukin-1 receptor type 1 (IL-1R1) monoclonal antibody (MAD) 26F5 and 27F2 light chain variable region ADM41547. Anti-IL-IR antibodies of the invention may comprise this CDR. ADM41547. Anti-IL-IR antibodies of the invention may comprise this CDR. These antibodies inhibit IL-1 signalling by competing with IL-1beta and IL-1alpha binding to IL-IR. Monoclonal antibodies, Rab antibodies, Rab antibodies, Fab antibodies and (Rab')2 antibodies, rate used in methods of treating IL-1 mediated diseases include acute pancreatitis, amyotrophic lateral conferration and (Rab')2 antibodies, are used in methods of treating IL-1 conferrated diseases include acute pancreatitis, amyotrophic lateral sclerosis, Alzheimer's disease, cachexia, anorexia, asthma.

CC atherosclerosis, autoimmune vasculitis, chronic fatigue syndrome, colerosis, autoimmune vasculitis, chronic fatigue syndrome, clostridium associated illnesses, coronary conditions, cancer including fibromyalgia, glomerulonephritis, graft versus host disease, cotecoarthritis, rheumatoid arthritis, inflammatory eye disease, cotecoarthritis, rheumatoid arthritis, inflammatory eye disease, contexpay algease, pre-term labour, postiasis, reportision injury, septic shock, side effects of radiation therapy, temporal mandipular contexpring ingease, resulting from strain, sprain, carthage damage, trauma, orthopaedic curgery, infection or other disease processes.
                                                                                                                                 Isolated human antibody that specifically binds interleukin-1 rec
type 1 (IL-1R1) useful for treating IL-1 mediated diseases such a
rheumatoid arthritis, osteoarthritis and inflammatory conditions.
Martin F, Huang H;
Vezina C, Witte A, Qian X,
                                                                                                                                                                                                                                                Claim 48; SEQ ID NO 70; 179pp; English.
                                                                               WPI; 2004-248462/23
Varnum B,
Elliott G;
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Gaps ö Length 11; 0; Indels 100.0%; Score 49; DB 8; 100.0%; Pred. No. 0.0046; Mismatches ö Local Similarity 100. 1 RASOSVSSYLA 11 Sequence 11 AA; Query Match Best Loca Matches ò

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ADS88073 standard; peptide; 11 AA. ADS88073; RESULT 16 ADS8807.

1 RASQSVSSYLA 11

(first entry)

18-NOV-2004

human monoclonal antibody; CD20; human B-lymphocyte-restricted differentiation antigen; Bp35; cytostatic; human B-lymphocyte-restricted differentiation antigenthalmological; antigentiatic; antiantiamatory; neuroprotective; antiansemic; antiarteriosclerotic; antiansemic; antirheumatic; antiathyroid; anti-HIV; gene therapy; antirheumatic; antiamarory bowel disease; maningitis; uveitis; glomerulonephritis; asthma, atherosclerosis; multiple sclerosis; haemolytic ansemia; myasthenia gravis; rheumatoid arthritis; draves; disease; HIV; CDR; complimentarity determining region; human. Human CD20 antibody-related CDR peptide SegID22.

Homo sapiens.

17-OCT-2003; 2003WO-US033057. 29-APR-2004

WO2004035607-A2

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                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention relates to a novel isolated human monoclonal antibody which binds to human CD20 (human B-lymphocyte-restricted differentiation antich binds to human CD20 (human B-lymphocyte-restricted differentiation cantigen or B935). The invention may be useful for the production of compositions with a cytostatic, antipsoriatic, antiasthmatic, neuroprotective, ophthalmological, nephrotropic, antiasthmatic, antiatrerisoslercotic, antianemic, antiatrhritic, antiatrerisoslercotic, antianemic, antiatrhritic, antithyroid or anti-HIV activity. In addition the invention may be useful for gene therapy. The invention is useful for diagnosing, preventing or treating diseases or disorders involving cells expressing CD20, such as cancer, psoriasis, inflammatory bowel disease, meningitis, uveitis, cancer, psoriasis, antimorance, meningitis, uveitis, alementia, myasthenia gravis, rheumatoid arthritis, Graves' disease or HIV. The anti-idiotypic antibody is used for detecting the clease or HIV. The anti-idiotypic antibody is used for detecting the sequence is that of a human complimentarity determining peptide (CDR) peptide which was used in the exemplification of the invention.
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                                                                                                                                                                                                                                                                      New human monoclonal antibodies against CD20, useful for diagnosing, preventing or treating diseases involving cells expressing CD20, e.g. cancer, psoriasis, HIV, glomerulonephritis, asthma, atherosclerosis or
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                                                                                                                                                 Ruuls S, Glennie M, Van De Winkel JGJ,
Baadsgaard ODMS, Huang H;
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                                                                                                                                                                                                                                                                                                                                                                                                  Claim 34; SEQ ID NO 22; 201pp; English.
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                       17-OCT-2002; 2002US-0419163P.
02-APR-2003; 2003US-0460028P.
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Petersen J,
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This invention relates to a novel isolated human monoclonal antibody which binds to human CD20 (human B-lymphocyte-restricted differentiation antigen or BD35). The invention may be useful for the production of compositions with a cytostatic, antipsoriatic, antiinflammatory, neuroprotective, ophthalmological, nephrotropic, antiasthmatic, antiarteriosclerotic, antianaemic, antitheumatic, antiarthritic, antithyroid or anti-HIV activity. In addition the invention may be useful for gene therapy. The invention is useful for diagnosing, preventing or treating diseases or disorders involving cells expressing CD20, such as cancer, psoriatis, inflammatory bowel disease, meningitis, uvettis, cancer, psoriatis, inflammatory bowel disease, meningitis, uvettis, alomentulonephritis, asthma, atherosclerosis, multiple sclerosis, haemolytic anaemia, myasthenia gravis, theumatoid arthritis, Graves' disease or HIV. The anti-idiotypic antibody is used for detecting the level of human monoclonal antibody against CD20 in a sample. The present sequence is that of a human complification of the invention.
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Baadsgaard ODMS, Huang H;
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17-OCT-2002; 2002US-0419163P, 02-APR-2003; 2003US-0460028P,
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This invention relates to a novel isolated human monoclonal antibody which binds to human CD20 (human B-lymphocyte-restricted differentiation antich binds to human CD20 (human B-lymphocyte-restricted differentiation antich binds may be useful for the production of compositions with a cytostatic, antipocriatic, antiinflammatory, neuroprotective, ophthalmological, nephrotropic, antiantimatic, antiantific, antitathratic, antiantamenic, antitheumatic, antiathratic, antitathratic, antithyroid or anti-HIV activity. In addition the invention may be useful for gene therapy. The invention is useful for diagnosing, preventing or treating diseases or disorders involving cells expressing CD20, such as cancer, psoriasis, inflammatory bowel disease, meningitis, uveitis, glomerulonephritis, asthma, atherosclerosis, multiple sclerosis, haemolytic ansemia, myasthenia gravis, rheumatoid arthritis, Graves' clisease or HIV. The anti-idiotypic antibody is used for detecting the present sequence is that of a human complamentarity determining peptide (CDR)
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                                                                                                                                                                                                                                                                                                                                                                                                  New human monoclonal antibodies against CD20, useful for diagnosing, preventing or treating diseases involving cells expressing CD20, e.g. cancer, psoriasis, HIV, glomerulonephritis, asthma, atherosclerosis or
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Baadsgaard ODMS, Huang H;
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les 11; Conservative 0
                                  17-OCT-2002; 2002US-0419163P 02-APR-2003; 2003US-0460028P
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Petersen J,
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This invention relates to novel antibody and antigen-binding fragments of antibodies that bind alphaE-beta7 integrin chains (CD103). Specifically, articofers to the binding of activation induced epitopes present on activated alphaE integrins, where these integrins are activated by exposure to divalent cations (e.g. Mn2+), to phorbol esters or suitable growth factors and/ or mitogens. The present invention describes the alphaE-beta7 integrin as a homing receptor that mediates lymphocyte migration to mucosal epithelium. As such, compositions of this invention are useful for treating a subject having an inflammatory bowel disease or gastroenteritis or pulmonary inflammatory diseases such as asthms and chronic bronchitis. Furthermore, such compositions can be used for inhibiting graft rejection, psoriasis, compositions can be used for inhibiting graft rejection, psoriasis, compositions and chronic bronchitis. Furthermore, such as cerema, urticaria, scleroderma, autoimmune diseases such as multiple sclerosis, diabetes, glomerulonephritis, autoimmune thyroiditis, Behoct's syndrome, viral infections, cancer and/or neoplastic diseases such as antisafination, immunosuppressive, antipsoriatic, dermactological, neuroprotective, antidabetic, nephrotropic, virucide, cytostatic and vasctropic activities. This peptide sequence is a human antibody heavy contain antibution of the integrin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumour necrosis factor; TNF; immunotherapy; TNF related diseases; obesity; immune related disease; rheumatoid arthritis; cardiovascular disease; stroke; malignant disease; leukaemia; neurological disease; multiple sclerosis; infection; hepatitis; anorectic; antiarthritis; cerbroprotective; vasotropic; cytostatic; neuroprotective; antibacterial; antiinflammatory; hepatotropic; virucide; anti-TNF antibody; CDR; complementarity determining region; human;
                                                                                                                                                                                                              Novel antibody which binds activated alpha-E integrin, specifically to activation-induced epitope on integrin alpha-E chain (CD103), useful for treating inflammatory bowel diseases e.g., Crohn's disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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100.0%; Pred. No. 0.0046; Winmatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human anti-TNF antibody light chain CDR1 peptide #2.
                                                                                                                                                                                                                                                                                                                          Claim 8; SEQ ID NO 10; 67pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADS64649 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           alphaE chain of the invention.
14-JUN-2002; 2002US-00173551.
                                          14-JUN-2002; 2002US-00173551.
                                                                                   (MILL-) MILLENNIUM PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.00
Best Local 11; Conservative
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                                                                                                                                                                        WPI; 2004-178738/17
                                                                                                                                                                                                                                                                                  gastroenteritis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 11 AA;
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Gaps

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The present invention relates to a mammalian anti-tumour necrosis factor (TNF) antibody capable of inhibiting binding of TNF alpha to TNF receptor. The invention is useful for diagnosing or treating an anti-TNF related condition in a cell, tissue, organ or animal and in immunocherapy. The invention is also useful for treating TNF related diseases chosen from obesity, immune related disease such as rheumatoid as tribritis, cardiovascular disease such as stroke, malignant disease such as leukaemia, neurological disease such as multiple sclerosis and bacterial or viral infections such as hepatitis. The present sequence is the human anti-TNF antibody light chain complementarity determining
                                                                                                                                                                                                                                                                                 Novel isolated mammalian anti-tumor necrosis factor (TNF) alpha antibody capable of inhibiting binding of TNF alpha to TNF receptor, useful for treating TNF-related diseases such as obesity or rheumatoid arthritis.
                                                                                                                                                                                                         Carton JM;
                                                                                                                                                                                                                                                                                                                                                                   Claim 2; SEQ ID NO 12; 45pp; English
                                      21-MAR-2003; 2003US-00394471.
                                                                            21-MAR-2003; 2003US-00394471
                                                                                                                                                                                                       Giles-Komar J, Scallon BJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  region 1 (CDR1) peptide.
                                                                                                                    (GILE/) GILES-KOMAR J.
(SCAL/) SCALLON B J.
(CART/) CARTON J M.
                                                                                                                                                                                                                                             WPI; 2004-676151/66.
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100.0%; Score 49; DB 8; Length 11; 100.0%; Pred. No. 0.0046; Local Similarity 100 tes 11; Conservative 1 RASOSVSSYLA 11 Sequence 11 AA; Query Match Matches ઠે

1 RASOSVSSYLA 11

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ADS52384 standard; peptide; 11 AA. 16-DEC-2004 ADS52384; RESULT 21
ADS52384
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AC ADS52384
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XX
CW Antik
KW Antik
KW T 1yn
KW MAJON
KW MAJON
KW MODON

(first entry)

Fab targeting HLA-A2/Tax11-19, T3D3, light chain CDR 1.

Antibody, Fab, HLA-A2; Tax 11-19; human leukocyte antigen, antigen, T lymphocyte; antigen-presenting cell; B cell; dendritic cell; major histocompatibility complex; MHC class I; viral infection; human T lymphotropic virus-1 infection; viral oncoprotein; mycoplasma infection; bacterial infection; fungal infection; pacterial infection; fungal infection; protozoal infection; phage display; light chain; CDR; complementarity determining region

Homo sapiens

US2004191260-A1.

30-SEP-2004.

26-MAR-2003; 2003US-00396578.

26-MAR-2003; 2003US-00396578

(TECR) TECHNION RES & DEV FOUND LTD.

WPI; 2004-735863/72

or fragment New composition comprising a multimeric form of an antibody or fragm which specifically binds an antigen-presenting portion of a complex, useful for treating pathogen-associated diseases e.g., HIV.

Claim 5; SEQ ID NO 35; 68pp; English.

The invention relates to a composition-of-matter comprising (a multimeric form of) an antibody or antibody fragment including an antigen-breaching creeding and antibody or antibody presenting portion of a complex composed of a human antigen-presenting molecule and an antigen presenting of creeding a perhapsing an antigen presenting molecule and an antigen of carived from a pathogen. Also included are an isolated polyuncleotide carived from a pathogen, a nucleic acid construct comprising an antigen-breaching portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen), a nucleic acid construct comprising the isolated construct above, a host virus comprising the solated construct above, a host virus comprising the muclaic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus composed of a human antigen-presenting molecule and an antigen derived (construct above, an antigen-presenting molecule and an antigen derived (construct above, an antigen-presenting molecule and an antigen derived (construct a pathogen) and amethod of a complex as described and an antigen derived (construct a pathogen) and antigen-presenting molecule and an antigen derived from a pathogen an antigen-presenting portion of a complex of a described and an antigen derived from a pathogen and antigen-presenting cell, which is a recognition equal and antigen-presenting acide and an antigen-presenting acide and antigen-presenting acide and antigen-presenting antigen derived from a pathogen in antigen-presenting as an ecognition of a south antigen derived from a pat

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Mismatches

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Sequence 11 AA;

Gaps ö 100.0%; Score 49; DB 8; Length 11; 100.0%; Pred. No. 0.0046; ive 0; Mismatches 0; Indels Local Similarity 100 nes 11; Conservative Query Match Best Loc Matches

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1 RASQSVSSYLA 11 RASQSVSSYLA 11

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RESULT 22

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New composition comprising a multimeric form of an antibody or fragment which specifically binds an antigen-presenting portion of a complex, useful for treating pathogen-associated diseases e.g., HIV.
                                                                               Antibody; Fab; HLA-A2; Tax 11-19; human leukocyte antigen; antigen; I lymphocyte; antigen-presenting cell; B cell; dendritic cell; major histocompatibility complex; MHC class I; viral infection; human T lymphotropic virus-1 infection; viral oncoprotein; mycoplasma infection; bacterial infection; fungal infection; complementarity determining region.
                                                               Fab targeting HLA-A2/Tax11-19, T4B7, light chain CDR 1.
                                                                                                                                                                                                                                                                                                                                                  Claim 5; SEQ ID NO 83; 68pp; English.
                                                                                                                                                                                                                                                     (TECR ) TECHNION RES & DEV FOUND LTD
         ADS52432 standard; peptide; 11 AA
                                                                                                                                                                                                                 26-MAR-2003; 2003US-00396578.
                                                                                                                                                                                                                                    26-MAR-2003; 2003US-00396578.
                                              (first entry)
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                                                                                                                                                                                                                                                                         Cohen C;
                                                                                                                                                                              US2004191260-A1.
                                                                                                                                                           Homo sapiens.
                                             16-DEC-2004
                                                                                                                                                                                               30-SEP-2004
                                                                                                                                                                                                                                                                        Reiter Y,
ADS52432
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The invention relates to a composition-of-matter comprising (a multimeric form of) an antibody or antibody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen. Also included are an isolated polymucleotide derived from a pathogen. Also included are an isolated polymucleotide comprising an antigen-presenting molecule and antibody fragment the comprising an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and antigend from a pathogen). A mucleic acid construct comprising the isolated from a promoter sequence for directing transcription of the isolated polymucleotide above (and a promoter sequence for directing transcription of the isolated polymucleotide in a host cell), a host cell comprising the nucleic acid construct above, a virus comprising the nucleic acid construct above, a virus comprising the nucleic acid construct above, a virus comprising a cat comprising conformation of a complex composed of a human antigen-presenting molecule and an antigen expressing displaying an antigen-presenting portion of a complex of composed of a human antigen-presenting molecule and an antigen and antigen presenting molecule and an antigen appresenting molecule and an antigen and antigen-presenting molecule and an antigen and antigen-presenting molecule and an antigen antigen-presenting molecule and an antigen and antigen-presenting molecule and an antigen and antigen-presenting molecule and an antigen and antigen-presenting molecule and an antigen and antigen-presenting molecule and an antigen antigen-presenting molecule and antigen presenting cell, which is a T lymphocyte or an antigen-presenting molecule and antigen presenting cell, which is a T lymphocyte or an antigen-presenting cell, which is a succeeded cell is a T lymphocyte or an antigen-presenting cell, which is a complex and cetectable molecule, as erceptavidin molecule. A c

The antigen derived from a pathogen is restricted by the antigen
C presenting molecule and is a polypeptide selected from a segment of a viral oncoprotein or a segment of a Tax protein. A pharaceutical composition comprising as an active ingredient the composition-of-matter is useful in a method for treating a disease associated with a pathogen in an individual such as viruses (HIV), mycoplasmas, bacteria, fungi and proteoms. The composition-of-matter or the methods are useful for c diagnosing an infection by a pathogen in an individual and for killing or c diagnosing at arget cell expressing or displaying an antigen-presenting or complex composed of a human antigen-presenting molecule and can antigen derived from a pathogen. A phase displayed library of human complex complex or complex composed of a human antigen presenting molecule and an ested for specific binding to HLA-A2/Tax 11-19 complex was generated and their CDR (complementarity determining region) sequences compared. The present sequence is a CDR from the light chain of an isolated Fab clone.

Sequence 11 AA;

Gaps ö Length 11; 100.0%; Score 49; DB 8; Length 11 100.0%; Pred. No. 0.0046; ive 0; Mismatches 0; Indels Query Match Best Local Similarity 100. Matches 11; Conservative

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ADW07069 standard; peptide; 11 AA. (first entry) 07-APR-2005 ADW07069; ADW07069

RESULT 23

antibacterial; antiinflammatory; immunosuppressive; antibody engineering; pharmaceutical; infection; pneumonia; meningitis; sepsis; pneumonia; meningitis; sepsis; pneumonia; meningitis; sepsis; pneumonia; pneumonia; sepsis; pneumonia; pneumon Anti-PsaA-antibody 1-15E5 VK CDR1.

Homo sapiens.

WO2005003174-A1. 13-JAN-2005.

08-JUL-2004; 2004WO-DK000492.

08-JUL-2003; 2003DK-00001044. 11-JUL-2003; 2003US-0486647P.

(GENE-) GENESTO AS

Lundgren JD, Kempe TD; Sorensen AP, Benfield TL,

WPI; 2005-101476/11. N-PSDB; ADW07068 New binding member towards Streptococcus pneumoniae surface adhesin A protein, useful for treating or preventing pneumonia, meningitis and/or New binding вервів.

Disclosure; SEQ ID NO 18; 137pp; English.

The invention describes an isolated binding member comprising at least one binding domain capable of specifically binding Streptococcus pneumoniae surface adhesin A (PsaA) protein, the binding domain having a dissociation constant Kd for PsaA which is less than 1 x10 -6 M. Also described are: an isolated nucleic acid molecule encoding at least a part of the binding member described above; a vector comprising the nucleic

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acid molecule of (1); a host cell comprising the nucleic acid molecule of (1); a cell line engineered to express the binding member described above. A detecting or diagnoshing a disease or disorder associated with preumococcus in an individual; a kit comprising at least one binding member described above, the antibody being labeled; and a pharmaceutical composition comprising at least one binding member described above. The binding member is useful for producing a pharmaceutical composition are useful for producing a pharmaceutical composition are useful for treating or preventing an individual suffering from disorders or diseases associated with S. pneumoniae, e.g. pneumonia, meningitis and/or sepsis. This sequence encodes anti-pneumococcal surface adhesin A (BeaA)-antibody 1-15ES kappa light chain variable region complementarity determining region 1 (CDR1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention describes an isolated binding member comprising at least one binding domain capable of specifically binding Streptococcus pneumoniae surface adhesin A (PeaA) protein, the binding domain having a dissociation constant Kd for PeaA which is less than 1 x10 -6 M. Also described are: an isolated nucleic acid molecule encoding at least a part of the binding member described above; a vector comprising the nucleic acid molecule of (1); a host cell comprising the nucleic acid molecule of (1); a cell line engineered to express the binding member described above; detecting or diagnosing a disease or disorder associated with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antibacterial; antiinflammatory; immunosuppressive; antibody engineering; pharmaceutical; infection; pneumonia; meningtis; sepsis; pneumococcal surface adhesin A; PsaA; light chain variable region; complementarity determining region 1; CDR1; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New binding member towards Streptococcus pneumoniae surface adhesin A
protein, useful for treating or preventing pneumonia, meningitis and/or
                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                               100.0%; Score 49; DB 9; Length 11; 100.0%; Pred. No. 0.0046; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 34; 137pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADW07085 standard; peptide; 11 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Anti-PsaA-antibody 9A7 VK CDR1.
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11-JUL-2003; 2003US-0486647P.
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Best Local Similarity 100.
Matches 11; Conservative
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Pneumococcus in an individual; a kit comprising at least one binding member described above, the antibody being labeled; and a pharmaceutical composition comprising at least one binding member described above. The binding member is useful for producing a pharmaceutical composition for the treatment of Pneumococcus infection. The binding member, methods and composition are useful for treating or preventing an individual suffering from disorders or diseases associated with S. pneumoniae, e.g. pneumonia, meningitis and/or sepsis. This sequence encodes anti-pneumococcal surface adhesin A (PsaA)-antibody 947 kappa light chain variable region complementarity determining region 1 (CDR1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to novel proteins (I) that bind to pregnancy-associated plasma protein A (PAPP-A ADW04676). (I) comprises a first and second immunoglobulin variable domain sequence which binds to PAPP-A. Also claimed are proteins (II) which comprise light chain (LC) and heavy chain immunoglobulin variable domain sequences which binds to PAPP-A. The proteins are useful for diagnosing, preventing or treating proliferative diseases such as glioblastoma, osteosarcoma and overgrowth of vascular smooth muscle cells following e.g., balloon angioplasty (which may cause resenosis). The proteins are sepecially useful for useful for treating diseases involving IGF regulated growth. The present sequence is one such immunoglobulin variable domain sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PAPP-A immunoglobulin variable domain AB d06 light chain CDR1 SEQ ID 232
                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cytostatic; Vasotropic; Light chain variable domain; proliferative disorder; restenosis; glioblastoma; osteosarcoma
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100.0%; Pred. No. 0.0046;
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100.0%;
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Best Local Similarity 100.
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                                                                                                                                                                                                                      Sequence 11 AA;
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Length 11;

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  Indels
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Mismatches
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                                                                                                                                                                                                                                        ADY26813 standard; protein; 11 AA.
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                                                                                                   1 RASQSVSSYLA 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2005-202606/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMGE-) AMGEN INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2005019266-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                  19-MAY-2005
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                                                                                                                                                                                                                                                                                             ADY26813;
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Life invention of NGF. Also described are: methods of treating a condition caused by increased expression of NGF or increased sensitivity to NGF in a patient; methods for detecting NGF or increased sensitivity to NGF in a patient; methods for detecting NGF in a biological sample; an NGF or patient; methods for detecting NGF in a biological sample; an NGF or caused by increased expression of NGF or 14 amino acids, as mentioned in the specification, and where the binding agent can bind to NGF; a pering a pering a paramaceutical carrier and a therapeutic amount of the antibody or binding agent cited above; or a medicament for treating a painful disorder or condition associated with increased expression of NGF or increased sensitivity to NGF, the medicament comprising a paramaceutical amount of a monoclonal antibody or increased sensitivity to NGF, the medicament comprising a pharmaceutical menunologically functional immunoglobulin fragment, or pharmaceutical salts of the monoclonal antibody or the fragment, where the monoclonal antibody is at least one of the monoclonal antibody or binding agent; an antibody is at least one of the monoclonal antibody or binding agent; an isolated cell line that produces the above antibody or binding agent; and solated cell line that produces the above antibody or binding agent; and solated cell line that produces the above antibody or binding agent; and comprising the nucleic acid or expression vector. The composition comprising the antibody) and methodes are useful for manufacturing a medicament for treating a painful disorder (e.g. acute pain, dental pain, or pain from trauma or cancer), or a condition associated with increased expression of NGF or increased sensitivity to NGF. This is the amino acid or expression, or necessed sensitivity to NGF. This is the amino acid or expression of NGF antibody heavy chain complementarity determining New human anti-nerve growth factor (NGF) neutralizing antibodies useful for manufacturing a medicament for treating painful disorders (e.g. acute pain) or conditions associated with increased expression or sensitivity The invention describes an isolated human antibody that interacts with or Claim 38; SEQ ID NO 128; 190pp; English.

Sequence 11 AA

region 1

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The invention relates to an isolated nucleic acid comprising a sequence encoding a SARS coronavirus (SARS-CoV) spike glycoprotein (S protein), or its fragment, where the sequence has been optimized for expression in a human host. Also described: (1) a nucleic acid expression vector comprising the above nucleic acid; (2) an isolated cell comprising the expression vector of (1); (3) a polypeptide encoded by the above nucleic acid; (4) an isolated polypeptide comprising an extracellular portion of the SARS-CoV S polypeptide located between amino acids 15-1190 of ADY93852, or its fragment; (5) an isolated antibody, or its antigen binding fragment, that specifically binds to the polypeptide of (3); (6) an isolated antibody, or its antigen binds to an antigen binding fragment of an anti-S protein antibody; (7) a composition comprising a polypeptide of (4) or an antibody; (7) a composition comprising a polypeptide of (4) or an antibody; or its carrier; (8) making an sutigen binding fragment, that specifically binds to an antibody, or its carrier; (9) making an antibody, or its antigen binding fragment, that specifically binds to an S protein of SARS-COV; (10) evaluating an antibody, or its antigen binding fragment, that specifically binds to an S SARS-COV; (11) evaluating an antibody, or its antigen binding fragment, that specifically binds for the presence of SARS-COV; (11) evaluating an antibody, or its antigen binding fragment, that specifically binds for the presence of SARS-COV;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated nucleic acid encoding a SARS-COV spike glycoprotein polypeptide, and optimized for expression in a human host, useful for diagnosing, preventing and/or treating SARS-COV infection.
                                                                                                                                                                                                                                                                                                                                                                         glycoprotein; respiratory-gen.; virucide; sars coronavirus infection; antibody; light chain variable region.
                                        Gaps
                                        ö
                                      Indels
100.0%; Score 49; DB 9;
100.0%; Pred. No. 0.0046;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                     Anti-SARS 201.2 antibody VK CDR1 SEQ ID NO:10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Greenough T,
, Thomas WD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 49; SEQ ID NO 10; 138pp; English.
                                                                                                                                                                                                                   ADY93860 standard; peptide; 11 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-AUG-2003; 2003US-0492529P.
09-OCT-2003; 2003US-0510251P.
18-FEB-2004; 2004US-0545670P.
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Somasundaran M, Babcock GJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-AUG-2004; 2004US-00911838.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-APR-2004; 2004US-0565595P.
                                                                                                                                                                                                                                                                                            16-JUN-2005 (first entry)
                                        11; Conservative
                                                                               1 RASQSVSSYLA 11
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HERNANDEZ H.
GREENOUGH T.
LUZURIAGA K.
SOMASUNDARAN N
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THOMAS W D.
SULLIVAN J.
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                    Best Local Similarity
Matches 11; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                      SARS coronavirus.
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                                                                                                                                                                                                                                                         ADY93860;
    Query Match
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inhibition of infection by SARS-CoV; (12) treating a subject at risk for, or exposed to SARS-CoV; (13) an immunoconjugate comprising the antibody of (5) linked to a therapeutic agent; (14) an isolated nucleic acid molecule encoding the antibody, its antigen-binding portion, variable heavy chain or variable light chain of (5); (15) an expression vector comprising the nucleic acid molecule of (14); (16) an expression vector immunoglobulin heavy and light chain transgenic mammal comprising human immunoglobulin heavy and light chain transgenic mammal compresses the antibody of (5); (18) a hybridoma prepared from the mammal of (17), where the hybridoma produces the antibody; and (19) preparing an anti-S procein antibody. The methods and compositions of the present invention are useful for the diagnosis, prevention and/or treatment of squence from the anti-SARS 201.2 antibody light chain variable region from the present invention.
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Sequence 11 AA;

Gaps ö 100.0%; Score 49; DB 9; Length 11; 100.0%; Pred. No. 0.0046; 0; Indels 0; Mismatches Local Similarity 100. 1es 11; Conservative Query Match Matches

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RASOSVSSYLA 11

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RESULT 28 AEA53685

AEA53685 standard; peptide; 11 AA AEA53685

Novel human MMP26-binding antibody-related CDR1 peptide #482. (first entry)

11-AUG-2005

antibody engineering; cytostatic; antiinflammatory; osteopathic; antiarthritic; gene therapy; cancer; breast tumor; prostate tumor; lung tumor; inflammation; rheumatoid arthritis; restenosis; graft versus host disease; multiple sclerosis; gingivitis;

osteoarthritis

Unidentified

WO2005051299-A2 09-JUN-2005 19-NOV-2004; 2004WO-US039052.

19-NOV-2003; 2003US-0523745P

(DYAX-) DYAX CORP

Ladner RC; Rookey K, Dransfield DT,

WPI; 2005-417817/42.

New protein comprising heavy and light chain immunoglobulin variable domain sequences, useful in preparing a composition for treating or preventing neoplastic or inflammatory disorders.

Example; Page 129; 192pp; English

This invention relates to novel proteins, comprising a heavy chain immunoglobulin variable domain sequence and a light chain immunoglobulin variable domain sequence, which bind to matrix metalloproteinase (MMP)-26 and comprise at least one human complementarity determining region or framework region. The invention may be useful for the development of compounds with a cytostatic, antiinflammanory, osteopathic or antiatrhritic activity whilst the disclosed sequences may prove useful for gene therapy. The protein is useful in preparing a composition for

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This invention relates to novel proteins, comprising a heavy chain immunoglobulin variable domain sequence and a light chain immunoglobulin variable domain sequence and a light chain immunoglobulin variable domain sequence, which bind to matrix metalloproteinase (MMP)-26 and comprise at least one human complementarity determining region or framework region. The invention may be useful for the development of compounds with a cytostatic, antiinflammatory, osteopathic or antiarthritic activity whilst the disclosed sequences may prove useful for gene therapy. The protein is useful in preparing a composition for treating or preventing neoplastic disclosed sequences may prove to reating or preventing neoplastic disclosed, for example breast, prostate, or lung cancer or inflammatory disorders, for example or rheumatoid arthritis, lupus, restenoiss, graft versus host response or multiple sclerosis or a disorder characterized by excessive or undesired MMP-26 activity, for example periodontitis, rheumatoid arthritis or secentiality. The present sequence is that of a CDR peptide which was used during the development of the novel MMP26-binding antibodies of the
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treating or preventing neoplastic disorders, for example breast, prostate, or lung cancer or inflammatory disorders, for example prostate, or lung cancer or inflammatory disorders, for example rehumatorid arthritis, lupus, restenois, graft versus host response or multiple sclerosis or a disorder characterized by excessive or undesired MMP-26 activity, for example periodontitis, rheumatorid arthritis or osteoarthritis. The present sequence is that of a CDR peptide which was used during the development of the novel MMP26-binding antibodies of the
                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New protein comprising heavy and light chain immunoglobulin variable domain sequences, useful in preparing a composition for treating or preventing neoplastic or inflammatory disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antibody engineering, cytostatic, antiinflammatory; osteopathic; antiarthritic; gene therapy; cancer; breast tumor; prostate tumor; lung tumor; inflammation; rheumatoid arthritis; restenosis; graft versus host disease; multiple sclerosis; gingivitis;
                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human MMP26-binding antibody-related CDR1 peptide #489,
                                                                                                                                                                                                                                           100.0%; Score 49; DB 9; Length 11; 100.0%; Pred. No. 0.0046;
                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                       0; Mismatches
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                                                                                                                                                                                                                                                                                         11; Conservative
                                                                                                                                                                                                                                                                                                                                  1 RASQSVSSYLA 11
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                                                                                                                                                                                                                                                                  Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2005051299-A2.
                                                                                                                                                                                                  Sequence 11 AA;
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                                                                                                                                                           invention.
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AEA53692
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RESULT 31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New human antibody or antibody fragment which binds to a sequence of the C-terminal domain of Apolipoprotein E (ApoB-CTD), useful for manufacturing a medicament for treating or preventing an amyloid disorder e.g. Alzheimers disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Neuroprotective; Nootropic; Antidiabetic; Endocrine-Gen.; Nephrotropic; Antiparkinsonian; Anticonvulsant; Respiratory-Gen; Apolipoprotein E; Alzheimers disease; amyloidosis; Parkinsons disease; Huntingtons chorea; Kuru; Dementia; non-insulin dependent diabetes; Down syndrome; Spondiform encephalopathy; Creutzfeldt Jakob disease; motor neurone disease; chronic obstructive pulmonary disease.
                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Apolipoprotein E C-terminal domain antibody VL-CDR1 peptide #64.
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                                                                                       100.0%; Score 49; DB 9; Length 11; 100.0%; Pred; No. 0.0046; ive 0; Mismatches 0; Indels
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Lindquist J, Sunnemark D,
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                                                                                                                                                                                                                                                                                                                                                                         AEA45811 standard; peptide; 11 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-NOV-2003; 2003US-0525174P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                                        Local Similarity 100.
nes 11; Conservative
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                                                Sequence 11 AA;
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invention
                                                                                                                                                                                                                                                                                                                                                                                                                          AEA45811;
                                                                                                 Query Match
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The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: Inhibits binding of IP-10 to CXCR3; inhibits IP-10 induced calcium flux; inhibits IP-10 induced call migration; cross-reacts with rhesus monkey IP-10; does not cross-react with mouse IP-10; does not cross-react with human ITAC. The isolated human monoclonal antibody is cross-react with human ITAC. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including comultiple sclerosis, rhemmatorid arthritis, inflammatory bowel disease (e.g., ulcerative colitis, Crohn's disease), systemic lupus cryhematosus, Type I diabetes, inflammatory skin disease (e.g., Graves, Hashimoto's thyroiditis), Sjogren's syndrome, pulmonary carcoidosis, lymphocytic alveolitis), transplant rejection, pulmonary sarcoidosis, lymphocytic alveolitis), transplant rejection, spinal cod injury, brain injury (e.g., stroke), neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, cheese therapy-induced inflammation, diseases of angiogenesis, inflammatory
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antibody; IP-10; inflammation; immune disorder; dermatological disease;
                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        respiratory disease. Demonstrate accounts internations infection; Neuroprotective; Antiaritics, Antirheumatic; Antinflammatory; Gastrointestinal-Gen.; Antiulcer; Dermatological; Immunosuppressive; Antidiabetic; Antipsoriatic; Antithyroid; Antiasthmatic; Respiratory-Gen.; Cerebroprotective; Vasotropic; Nootropic; Antiparkinsonian; Antianglogenic; Antiagianic; Nootropic; Antibacterial.
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                                                             Score 49; DB 9; Length 11;
Pred. No. 0.0046;
Mismatches 0; Indels
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Lane TE, Keirstead HS, Liu MT;
                          100.0%; Sco...
100.0%; Pred. No. v...
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AEB01024 standard; peptide; 11 AA.
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                                                                                                                                          11; Conservative
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Passmore D, Rangan VS,
                                                                                                                                                                                                                   1 RASQSVSSYLA 11
                                                                                                                                                                                                                                                                                        1 RASOSVSSYLA 11
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                                                                 Query Match
Best Local Similarity
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Sequence 11 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-SEP-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AEB01024;
                                                                                                                                              Matches
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kidney disease (e.g., IgA nephropathy, membranoproliferative glomerulonephritis), rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial infection involving unwanted IP-10 activity in a subject, where the viral infection is mediated by HIV, HCV, HSV-1 or SARS virus. The present sequence represents the amino acid sequence of a human IP10 monoclonal antibody light chain variable region, CDR1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibite at least one property selected from: inhibits binding of IP-10 to CXCR3, inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced cross-react with human ITAC. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including multiple sclerosis, rheumatoid arthritis, inflammatory bowel disease (e.g., ulcerative colitis, Crohn's disease), systemic lupus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antibody; IP-10; inflammation; immune disorder; dermatological disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         respiratory disease; neurological disease; degeneration; infection; Neuroprotective; Antiarthritic; Antirheumatic; Antinflammatory; Gastrointestinal-Gen.; Antiulcer; Dermatological; Immunosuppressive; Antidiabetic; Antipicari, Antithyroid; Antithyroid; Antiathyroid; Respiratory-Gen.; Cerebroprotective; Vasotropic; Nootropic; Antiparkingonian; Antianglogenic; Antiarteriosclerotic; Virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human IP10 antibody light chain variable region, CDR1, SEQ ID NO 57.
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Lane TE, Keirstead HS, Liu MT;
                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 49; DB 9; Length 11; 100.0%; Pred. No. 0.0046; rive 0; Mismatches 0; Indels
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Rangan VS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RASQSVSSYLA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      autoimmune diseases.
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                                                                                                                                                                                                                                                                                                   Sequence 11 AA;
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psoriasis, lichen planus), autoimmune thyroid disease (e.g., Graves' disease, Hashimoto's thyroiditis), Sjogren's syndrome, pulmonary disease, Inflammation (e.g., asthma, chronic obstructive pulmonary disease, pulmonary disease, pulmonary disease, pulmonary disease, pulmonary disease, pain injury, (e.g., stroke), neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, gene therapy-induced inflammation, diseases of angiogenesis, inflammatory kidney disease (e.g., IgA nephropathy, membranoproliferative glomerulonephritis, rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial infection involving unwanted IP-10 activity in a subject, where the viral sequence represents the amino acid sequence of a human IP10 monoclonal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a composition-of-matter which comprises an antibody or antibody fragment or a multimeric form of an antibody or antibody reagment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule (APM) and an antigen presenting molecule (APM) and an antigen from a pathogen. The invention is useful for the specific detection of the antigen-presenting portion of the complex and for diagnosing/treating various types of diseases associated with a pathogen infection by killing/damaging pathogen infected cells. The present sequence is a complementarity determining regions (CDR) of Fab light chain antibody specifically binding human leukocyte antigen (HLA-A2)/Tax11-19 complex. Tax11-19 is an antigen derived from Human T-lymphotropic virus 1 (HTLV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New composition-of-matter capable of specifically binding an antigen-presenting molecule and a pathogen-derived antigen complexes, useful for treating diseases associated with a pathogen.
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                                                                                                                                                                                                                                                                                                                                                               Length 11;
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Pred. No. 0.0046;
; Mismatches 0; Indels
                                                                                                                                                                                                                                                                           antibody light chain variable region, CDR1.
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                    Sequence 11 AA;
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Matches
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New isolated human monoclonal antibody comprising a human heavy chain and a human light chain variable regions, both comprising FR1, CDR1, FR2, CDR2, FR3, CRD3 and FR4 sequences, useful for treating or preventing
                                                                                                             monoclonal antibody, heavy chain variable region; light; framework; complementarity determining; CDR1, FR1; FR2; CDR2; FR3; ER3; FR4; prostate specific membrane antigen; BSM4; cytostatic; tumour; colon cancer; renal carcinoma; gene therapy; human; L6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 52; 136pp; English.
ADD69248 standard; protein; 94 AA.
                                                                                 Human light chain L6 protein.
                                                                                                                                                                                                                                                                        28-JAN-2003; 2003WO-US002448.
                                                                                                                                                                                                                                                                                                   28-JAN-2002; 2002US-00059989
                                                                                                                                                                                                                                                                                                                                                         Graziano R,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to a composition-of-matter which comprises an antibody or antibody fragment or a multimeric form of an antibody or antibody remainent including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule (APPM) and an antigen presenting molecule (APPM) and an antigen form antigen-presenting portion of the specific detection of the antigen-presenting portion of the complex and for diagnosing/treating various types of diseases associated with a pathogen infection by killing/damaging pathogen infected cells. The present sequence is a complementarity determining regions (CDP) of Fab light chain antibody specifically binding human leukcoyte antigen (HLA-A2)/Tax11-19 complex.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New composition-of-matter capable of specifically binding an antigen-
presenting molecule and a pathogen-derived antigen complexes, useful for
treating diseases associated with a pathogen.
                                                                       Gaps
                                                                                                                                                                                                                                                                                     Human CDR1 of T3D3 Fab specifically binding HLA-A2/Tax11-19, SEQ: 35.
                                                                                                                                                                                                                                                                                                                Diagnosis; therapeutic; infection; antimicrobial; light chain; T3D3
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                                        Score 49; DB 9; Length 11;
Pred. No. 0.0046;
Mismatches 0; Indels
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                                                                       0; Mismatches
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                                                                                                                                                                                                  AEB28709 standard; peptide; 11 AA
                                        Query Match

Best Local Similarity 100.0%;

Matches 11; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                 09-MAR-2005; 2005US-00074803.
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                                                                                                                                                                                                                                                            (first entry)
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Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                   1 RASQSVSSYLA 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cohen C;
                                                                                                                                                                                                                                                                                                                                                                          US2005152912-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 11 AA;
                Sequence 11 AA;
                                                                                                                                                                                                                                                          22-SEP-2005
                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                     14-JUL-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Reiter Y,
                                                                                                                                                                                                                              AEB28709;
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Black A;

Tino WT,

Holmes EH,

Hudson D,

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The invention relates to a novel isolated human monoclonal antibody comprising a human heavy chain variable region and a human light chain variable region both comprising FR (framework region)-1, CDR (complementarity determining region)-1, FR2, CDR2, FR3, CRD3 and FR4 sequences. The antibody is directed against the human prostate specific membrane antigen (FSMA). The monoclonal antibody of the invention preventing a disease characterised by the growth of treating or preventing a disease characterised by the growth of tumour calls such as cancer, particularly prostate cancer, colon cancer or renal carcinoma, as well as duing gene therapy procedures. The current sequence is that of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human germline light chain variable region gene segment #33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human, light chain variable region, VK; humanised antibody; chimeric antibody; complementarity determining region; CDR; canonical CDR structure type.
                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 49; DB 7; Length 94; 100.0%; Pred. No. 0.053; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                 the human light chain L6 protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABO27153 standard; protein; 95 AA
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                 Sequence 94 AA;
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RASOSVSSYLA 11 1 RASOSVSSYLA 11

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RESULT 35 ADD69248

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03-MAR-2003; 2003WO-US006598
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                                                                                                                                                            (XENC-) XENCOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention describes a method of making a humanised antibody, comprising making chimeric antibodies containing a complementarity determining region (CDR) from a non-human antibody and appropriate framework sequences (I) of human antibodies. (I) is selected by using canonical CDR structure types of human antibodies as the basis for selection, for humanisation. The method is useful for making a humanised antibody or a converted antibody. The method is applicable for converting a subject antibody sequence of any subject species to a less immunogenic form suitable for use in an object species. The method is reliable for identifying suitable human framework sequences to support non-human CDR regions and to provide humanised antibodies that retain confort regions and to provide humanised antibodies that retain the nation of framework sequences, without the need for direct comparison of framework sequences, without the need for determining critically important amino acid residues in the framework, unanised antibodies with maintable therapeutic properties. The antibody framework is that high affinity and low immunogenicity without need for comparing the formanised antibodies with minimals therapeutic properties. The antibody framework is the first of the first of the formal sed antibodies with minimals therapeutic properties. The antibody framework is the first of t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   framework sequences between non-human and human antibodies. This sequence represents a human light chain variable region gene segment used in the
                                                                                                                                                                                                                                                                                                                                                                                          Making humanized antibody for converting antibody, by making chimeric antibodies containing complementarity determining region from non-human antibody and appropriate framework sequences of human antibodies.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   creation of humanised antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Fig 2; 31pp; English.
                                                                                                                                                                                                        12-JUL-2001; 2001US-0305111P
                                                                                                                                                            12-JUL-2002; 2002US-00194975
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                                                                 US2003039649-A1
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ADF10195
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The present invention relates to a method for optimizing at least one physico-chemical property of an antibody by a computational screening method. The method comprises: receiving a template antibody structure; selecting at least one variable position belonging to the antibody structure; selecting at least one amino acid to be considered at the variable position(s); analyzing the interaction of each selected amino acid at each variable position with at least part of the remainder of the antibody, including the selected amino acids at other variable positions; and identifying a set of at least one antibody sequence with at least optimized physico-chemical property. The method is useful for optimizing the physico-chemical properties of an antibody, especially the stability, solubility, or antigen blinding affinity. The optimized antibody may be useful for treating a patient. The present sequence is an antibody wariable region sequence used to illustrate the invention.
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variable
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100.0%; Score 49; DB 7; Length 95;
Best Local Similarity 100.0%; Pred. No. 0.053;
Matches 11; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                          Computer optimization of physicochemical properties of comprises analyzing the interactions of amino acids at
                                                                                                                                                                                                                   Dahiyat B;
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                                                                                                                                                                                                                   Lazar GA, Desjarlais JR, Marshall SA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 16; Fig 40b; 135pp; English
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01-MAR-2002; 2002US-0360843P.
29-MAY-2002; 2002US-0384197P.
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29-MAY-2002; 2002US-0384197P.
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Disclosure, Fig 2b, 135pp, English.
                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                  24 RASQSVSSYLA 34
                                                                                                             1 RASQSVSSYLA 11
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                                                                                                                                                                                         WO2003074679-A2
                                                                                       Sequence 95 AA;
                                                                                                                                                                                                                           (XENC-) XENCOR
                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                12-SEP-2003.
                                                                                                                                                                                                                                  Lazar GA,
                                                                                                                                                                                                                                                         positions.
              positions.
                                                                                                                                               ADF09988;
                                                                                                                               #X###X8X88888888888888888888888
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The present invention relates to a method for optimizing at least one physico-chemical property of an antibody by a computational screening method. The method comprises: receiving a template antibody structure;

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structure; selecting at least one amino acid to be considered at the variable position(8); analyzing the interaction of each selected amino acid at each variable position with at least part of the remainder of the antibody, including the selected amino acids at other variable positions; and identifying a set of at least one antibody sequence with at least one optimized physico-chemical property. The method is useful for optimizing the physico-chemical properties of an antibody, especially the stability, solubility, or antigen binding affinity. The optimized antibody may be useful for treating a patient. The present sequence is an antibody variable region sequence used to illustrate the invention.
selecting at least one variable position belonging to the antibody
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                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 95 AA;
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Matches
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                                                                                                                                                                                                                                                                              physico-chemical property of an antibody by a computational screening physico-chemical property of an antibody by a computational screening method. The method comprises: receiving a template antibody structure; selecting at least one variable position belonging to the antibody structure; selecting at least one amino acid to be considered at the variable position with at least part of the remainder of the antibody, including the selected amino acids at coher variable position with at least part of the remainder of the antibody, including the selected amino acids at other variable positions, and identifying a set of at least one antibody sequence with at least one optimized physico-chemical property. The method is useful for optimizing solubility, or antigen binding affinity. The optimized antibody may be useful for treating a patient. The present sequence is an antibody wariable region sequence used to illustrate the invention.
                                                                                                                                                                                                                                                             The present invention relates to a method for optimizing at least one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                            Computer optimization of physicochemical properties of antibodies comprises analyzing the interactions of amino acids at variable
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 49; DB 7; Length 95; 100.0%; Pred. No. 0.053; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                Example 6; Fig 16b; 135pp; English
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29-MAY-2002; 2002US-0384197P.
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WPI; 2003-722066/68
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The invention relates to a method of producing a hybrid antibody or hybrid antibody fragment by: (i) providing an initial antibody having expecificity for a target; (ii) determining the sequence of a variable region of the initial antibody; (iii) selecting a first component of the region of the first component to sequences contained in a reference sequence of the first component to sequence from a reference catabase of antibody sequences or antibody fragment sequences from a target species; (v) selecting a sequence from an antibody in the database which demonstrates a high degree of homology to the first component; (vi) selecting a second component of the variable region which is different that the first component, the second component selected from the group consisting of FRI, FR2, FR3 and FR4; (vii) comparing the sequence of the second component to sequence contained in a reference database of second component to sequence something in a reference of the cantibody sequences or antibody fragment sequences from the target species (viii) selecting a sequence from the database which demonstrates a high degree of homology to the second component and which is from a different
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Producing a hybrid antibody or hybrid antibody fragment by operatively linking the selected framework sequences to one or more complementarity determining regions of the initial antibody.
                                                                                                                                                                                                                                                                                                                                                                                                                              hybrid antibody; antibody; framework region; homology; immunogenicity.
                                              Gaps
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100.0%; Score 49; DB 7; Length 95; 100.0%; Pred. No. 0.053; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                    Vkappa gene locus antibody amino acid sequence #33.
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cc antibody than the selected antibody; and (ix) operatively linking the selected framework sequences to one or more complementarity determining cc regions (CDRs) of the initial antibody to produce a hybrid antibody or CC regions (CDRs) of the initial antibody to producing a hybrid antibody fragment. The method is useful for producing any hybrid cantibody or hybrid antibody fragment (claimed). The antibody and CC fragments are useful for therapeutic and diagnostic purposes. The method CC uses enrire framework regions from a single antibody variable heavy or CC variable light chain to receive the CDRs. This produces antibodies that CC are highly homologous and exhibit reduced immunogenicity while maintaining an optimum binding profile. This sequence represents the CC amino acid sequence of an antibody from the Vkappa gene locus.

SQ Sequence 95 AA;
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Ouery Match
Best Local Similarity 100.0%; Score 49; DB 7; Length 95;
Best Local Similarity 100.0%; Pred. No. 0.053;
Matches 11; Conservative 0; Mismatches 0; Indels
Qy 1 RASQSVSSYLA 11
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Db 24 RASQSVSSYLA 34

Search completed: December 14, 2005, 07:25:28 Job time : 65.5862 secs

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| Sequence 4, Application US/0909006
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| Sequence 4, Application
| Sequence 4, Application
| Sequence 5, Septen 1, Claude P. |
| APPLICANT: Genain, Claude P. |
| APPLICANT: Hauser, Stephen I. |
| TITLE OF INVENTION: Recombinant Antibody Fragments as Autoantibody |
| TITLE OF INVENTION: Antagonists |
| TITLE OF INVENTION: Antagonists |
| FILE REFERENCE: SF01-025-2 |
| CURRENT APPLICATION NUMBER: US/09/099, 896 |
| FILE REFERENCE: 2001-07-05 |
| PRIOR FILING DATE: 2000-10-17 |
| WINMER OF SEQ ID NOS: 12 |
| SOFTWARE: Patentin Ver. 2.1 |
| SEQ ID NO 4 |
| LENGTH: 100
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Patent No. 5766886
GENERAL INFORMATION:
APPLICANT: Studnicka, Gary M.
TITLE OF INVENTION: Modified Antibody Variable Domains (as amended)
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                                                                                  US-10-144-975-86

Sequence 86, Application US/10194975

Patent No. 688157;
GENERAL INPORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 50121.01
CURRENT APPLICATION NUMBER: US/10/194.975

CURRENT FILING DATE: 2002-10-10

PRIOR APPLICATION NUMBER: US/10/194.975

CURRENT FILING DATE: 2001-07-12

NUMBER OF SEQ ID NOS: 122

SOFTWARE: PatentIn version 3.1

SEQ ID NO 86

LENGTH: 95

TYPE: PATE: Homo Bapiens
US-10-194-975-86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%; Score 49; DB 2; Best Local Similarity 100.0%; Pred. No. 0.016; Matches 11; Conservative 0; Mismatches 0;
ALIGNMENTS
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Matches 11; Conserv
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ORGANISM: human
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US-08-107-669D-14
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STREET 1100 New York Ave., N.M., Suite 600
STREET 1100 New York Ave., N.M., Suite 600
STREET 1100 New York Ave., N.M., Suite 600
STREET 1100 New York Ave., N.M., Suite 600
STREET 100005-3194
COMPUTER BEADABLE FOR COMPANIES AND ADDRESS NOT ADDRESS
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SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
; SEQUENCE CHARACTERISTICS:
; LENGTH: 107 amino acids
; TYPE: amino acid
TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-477-531B-14
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Matches 11, Conservative
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Pacente No. 592123

Pacente No. 592123

Pacente No. 592123

Pacente No. 592123

Pacente No. 592123

Pacente No. 592123

Pacente No. 592123

APPLICANT: Studnicka, Gary M.

TITLE OF INVENTION: Modified Antibody Variable Domains (as amended)

NUMBER OF SEQUENCES: 67

CORRESPONDENCE ADDRESS:

CONTRES 1100 New YORK AVE., N.W., Suite 600

STREET: 1100 New YORK AVE., N.W., Suite 600

COUNTRY: United States of America

ZIP: 20005-1934

COMPUTER READABLE FORM:

WEDIUM TYPE: Floppy disk

COMPUTER: Pacpy disk

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              PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/10906
FILING DATE: 14-DEC-1992
PRIOR APPLICATION NUMBER: US 07/808,464
FILING DATE: 13-DEC-1991
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 33,851
REGISTRATION NUMBER: 33,851
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 202/371-2600
TELEFAX: 202/371-2540
                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
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23-JUN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100..
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MOLECULE TYPE: protein

US-08-472-788A-14
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Sequence 179, Application US/08096762
; Sequence 179, Application US/08096762
; Patent No. 5814318
; GENERAL INFORMATION:
; APPLICANT: Lonberg, Nils
; TITLE OF INVENTION: Producing Heterologous Antibodies
; TITLE OF INVENTION: Producing Heterologous Antibodies
; TUTLE OF SEQUENCES: 210
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 200
; CITY: San Francisco
; STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: One Market Plaza, Steuart Tower, Suite 200
                                                                                                                                                                                                    COMPUTE: 74103
COMPUTE: 74103
COMPUTE: FLODPY disk
MEDIUM TYPE: FLODPY disk
COMPUTER: IBM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.25
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/053,131
FILING DATE: 26-APR-1993
CLLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
FILING DATE: 17-DEC-1991
FILING DATE: 18-MRR.1992
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/COMPUTON INFORMATION:
TELEPHONE: 415-326-4400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 415-336-2422
INFORMATION FOR SEQ ID NO: 179:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 115 amino acids TYPE: amino acid
  NUMBER OF SEQUENCES: 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 11, Conservative
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; MOLECULE TYPE: protein
US-08-053-131-179
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                      CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                   ZIP: 94105
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US-09-434-870-2

i Sequence 2, Application US/09434870

i Patent No. 6849425

i GENERAL INFORMATION:

i APPLICANT: Huse, William

i APPLICANT: Waskins, Jeffry

APPLICANT: Wu, Herren

i TILE OF INVENTYON: Methods of Optimizing Antibody Variable Region Binding Affinity

i TILE OF INIVENTYON: Methods of Optimizing Antibody Variable Region Binding Affinity

FILE REPRENCE: AME-06352

CURRENT APPLICATION NUMBER: US/09/434,870

CURRENT APPLICATION NUMBER: 60/159,689

PRIOR APPLICATION NUMBER: 60/159,689

PRIOR FILING DATE: 1999-10-14

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatentIn version 3.0

LENGTH: 107

TYPE: PRT

CRANISM: Homo sapiens

US-09-434-870-2
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                   GENERAL INFORMATION:

PATELICANT: HOWG, Hyo Jeong

APPLICANT: PARK, Sung Sup

APPLICANT: KANG, YOUNG Jun

APPLICANT: KANG, YOUNG Jun

APPLICANT: KANG, CARG-Yuil

APPLICANT: KANG, CARG-Yuil

APPLICANT: YOUNG Jun

TITLE OF INVENTION: HUMANIZED ANTIBODY SPECIFIC FOR HUMAN 4-1BB AND

TITLE OF INVENTION: HHARMACEUTICAL COMPOSITION COMPRISING SAME

TITLE OF INVENTION: 1999-11-12

CURRENT APPLICATION NUMBER: US/09/438,954

CURRENT FILING DATE: 1999-11-12

NUMBER OF SEQ ID NOS: 49

SOFTWARE: PATENTION OF 1999-11-12

SOFTWARENTIANT OF 1999-11-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence: Variable OTHER INFORMATION: region of light chain of human antibody (X82934)
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Patent No. 5661016

PAPLICANT: Lonberg, Nils

APPLICANT: Lonberg, Nils

APPLICANT: TILE OF INVENTION: Transgenic No. 5661016-Human Animals for TILE OF INVENTION: Producing Heterologous Antibodies
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Sequence 40, Application US/09438954
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Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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US-08-053-131-179
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REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014643-009040US
TELECOMMUNICATION INFORMATION:
                                                                                                     PRILLING DATE: 12-JUN-1592

PRILLING DATE: 12-JUN-1592

PRILLING DATE: 16-DEC-1992

PRILLING DATE: 16-DEC-1992

PRILLING DATE: 26-DEC-1992

PRILL ON DATE: 26-DEC-1992

PRILL ON DATE: 26-DEC-1993

PRILL ON DATE: 18-NOV-1993

PRILL ON NUMBER: 18-NOV-1993

PRILL ON NUMBER: 18-NOV-1994

PRILL ON DATE: 18-NOV-1994

PRILL ON DATE: 18-NOV-1994

PRILL ON DATE: 18-NOV-1995

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 12
US-08-758-417A-307
; Sequence 307, Application US/08758417A
; Patent NO. 6300129
; GENERAL INFORMATION:
; APPLICANT: Lonberg, Nils
                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : 115 amino acids
amino acid
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 RASQSVSSYLA 11
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| Patent No. 6255458
| GENERAL INFORMATION:
| APPLICANT: Lonberg, Nils
| APPLICANT: Kay, Robert M.
| TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for TITLE OF INVENTION: Producing Heterologous Antibodies NUMBER OF SEQUENCES: 421
| CORRESPONDENCE ADDRESS: ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STREET: California
| COUNTRY: USA
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COUNTRY: USA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-MAR-1998
FILING DATE: 13-MAR-1998
FILING DATE: 13-MAR-1998
FILING DATE: 13-MAR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                               CLASSIFICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/053,131

FILING DATE: 26-APR-1993

PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION DATA:

APPLICATION DATA:

BRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: US 07/904,068

FILING DATE: 23-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/910,279

FILING DATE: 18-WAR-1992

PRIOR APPLICATION NUMBER: US 07/910,279

FILING DATE: 17-DEC-1991

ATTORNEY/AGENT INFORMATION:

NAME: SMITH, WILLIAM M.

REGISTRATION NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 14643-9-4

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
US/08/096,762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 179:
SEQUENCE CHARACTERISTICS:
APPLICATION NUMBER: US/0.
FILING DATE: 22-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 115 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
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                              APPLICANT: HANKE, JEFFREY H.

APPLICANT: GLMAN, STEVEN C.

APPLICANT: GLMAN, STEVEN C.

APPLICANT: GLMAN, JOSE R.

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4

FILE REFERENCE: ABX-PFI

CURRENT APPLICATION: NUMBER: US/09/472,087

CURRENT FILING DATE: 1999-12-23

PRIOR APPLICATION NUMBER: 60/113,647

PRIOR PRICA DATE: 1998-12-23

NUMBER OF SEQ ID NOS: 147

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 16

LENGTH: 139

TYPE: PRI

TYPE: PRI

SEQ ID NO 16

LENGTH: 139

TYPE: PRI

SEQ ID NO 16

LENGTH: 139

TYPE: PRI

SEQ ID NO 16

US-09-472-087-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: NEVEU, MAKK J.
APPLICANT: MEVEU, MAKK J.
APPLICANT: HANKE, JEFREY H.
APPLICANT: CORVALN, JEFREY H.
APPLICANT: CORVALN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFRENCE: ABX-PFI
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 05/113,647
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR PAPLICATION NUMBER: 099-12-3
PRIOR SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 90
LENGTH: 139
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 90, Application US/09472087 Patent No. 6682736
          MUELLER, BILLEN E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
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US-09-472-087-90
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Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
Producing Heterologous Antibodies
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                                                                                                                                                                                                                                                  CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER: REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: TBM PC Compatible
OPERATING SYSTEM: PC-DGS/MS-DGS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US 08/08/758,417A
PPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/24,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/32,322
APPLICATION NUMBER: US 08/35,322
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/35,323
FILING DATE: 10-DEC-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/165,731
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 12-UL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 12-UL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 16-DEC-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 16-DEC-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 16-DEC-1992
ATTORNEY/AGENT INPORMANTION:
NAME: ACTAFINICATION
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                                                                                                                                                                    ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 307:
US-08-758-417A-307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 307:
                                                                                                        NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
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Sequence 91, Application US/09472087
Patent No. 6682736
GENERAL INPORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: HANKEL, JEFFREY H.
APPLICANT: HANKE, JEFFREY H.
US-09-472-087-91
```

RESULT 13
US-09-472-087-16
Sequence 16, Application US/09472087; Patent No. 6682736; GENERAL INFORMATION, APPLICANT: HANSON, DOUGLAS C.
, APPLICANT: NEVEU, MARK J.

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Gaps
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### Sequence 82, Application US/09456090A

### Patent No. 6680209

### Sequence 82, Application US/09456090A

### Patent No. 6680209

### Sequence 82, Application US/09456090A

### PAPLICANT: Buechler, Joe

### APPLICANT: Usuars

### APPLICANT: Lonberg, Nils

### APPLICANT: Lonberg, Nils

### APPLICANT: Lonberg, Nils

### PILE REFERENCE: 0200200003

### CURRENT FILING DATE: 1999-12-06

### BEATENT NOS: 110

### SEQ ID NO 82

### LENGTH: 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sequence 46, Application US/09456090A |
| Patent No. 6680209 |
| General INFORMATION: |
| APPLICANT: Buechler, Joe |
| APPLICANT: Gray, Jeff |
| APPLICANT: Gray, Jeff |
| APPLICANT: Gray, Jeff |
| APPLICANT: Gray, Jeff |
| APPLICANT: Gray, Jeff |
| APPLICANT: Gray, Jeff |
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| APPLICANT: Gray, Jeff |
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          FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR PILING DATE: 1998-12-23
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 93
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT Homo sapiens CTHER INFORMATION: M1-10L US-09-456-090A-46
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OTHER INFORMATION: M2-31L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 RASOSVSSYLA 11
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                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-09-472-087-93
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US-09-456-090A-46
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j. Sequence 21, Application US/09472087

j. Patent No. 6862736

j. GENERAL INFORMATION:

APPLICANT: HANSON, DOUGLAS C.

APPLICANT: MUEVEU, MARK J.

APPLICANT: MUEVEL, SILLEN B.

APPLICANT: GILMAN, SIFFREY H.

APPLICANT: GILMAN, SIFFREY C.

APPLICANT: GOLVALAN, JOSE R.

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4

FILE REFERRACE: ASY. PF1

CURRENT FILING DATE: 1999-12-23

PRIOR PILING DATE: 1999-12-23

NUMBER OF SEQ ID NOS: 147

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 21

LENGTH: 146

"TWOE' DATE: 146
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APPLICANT: DAVIS, C. GEOFFREY

APPLICANT: CORVALAN, JOSE R.

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4

FILE REPERENCE: ABA.-PF1

CURRENT APPLICATION NUMBER: US/09/472,087

CURRENT FILING DATE: 1999-12-23

PRIOR PELICATION NUMBER: 60/113,647

PRIOR FILING DATE: 1998-12-23

NUMBER OF SEQ ID NOS: 147

SOFTWARE: PATENTIN VET. 2.1

SEQ ID NO 91

LENGTH: 142
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Patent No. 6682736
GENERAL INPORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: MEVEU, MARK J.
APPLICANT: MINEL JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: GILMAN, JOSE R.
APPLICANT: APPLICANT: ANTIBODIES TO CTLA-4
ITILE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
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Best Local Similarity 100.
Matches 11, Conservative
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; ORGANISM: Homo sapiens
US-09-472-087-91
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ORGANISM: Homo sapiens
US-09-472-087-21
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US-09-472-087-93
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US-09-456-0904-90
| Sequence 90, Application US/09456090A
| Sequence 90, Application US/09456090A
| Patent No. 6680209
| GENERAL INFORMATION:
| APPLICANT: Buechler, Gunare
| APPLICANT: Usuchler, Gunare
| APPLICANT: Lonberg, Jeff
| APPLICANT: Lonberg, Nils
| TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
| FILE REPERENCE: 020015-000200US
| CURRENT APPLICATION NUMBER: US/09/456,090A
| CURRENT FILING DATE: 1999-12-06
| WUMBER OF SEQ ID NOS: 110
| SEQ ID NO 90
| LENGTH: 224
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Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Bucenlar, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Gray, Jeff
APPLICANT: Gray, Jeff
APPLICANT: GenPharm International
TITLE NOF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT FILING DATE: 1999-12-01
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PATENTIN VET: 2.1
SEQ ID NO 46
LENGTH: 224
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Sequence 82, Application US/09453234
Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
HAPLICANT: Valkirs, Gunars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
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Matches 11; Conservative
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OTHER INFORMATION: M1-10L
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) OTHER INFORMATION: M2-35L
US-09-456-090A-90
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US-09-453-234-46
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US-09-456-090A-84
; Sequence 84, Application US/09456090A
; Patent No. 6680Z09
; GENERAL INFORMATION:
; APPLICANT: BUECHLER, Joe
; APPLICANT: Uslikirs, Gunare
; APPLICANT: Uslikirs, Gunare
; APPLICANT: Uslikirs, Wils
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; CURRENT APPLICANTON NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIN Ver. 2.1
; SEDICH: 22
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Patent No. 6680209

GERERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Ualkirs, Gunars
APPLICANT: Lonberg, Nils
ITILE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
ITILE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
CURRENT APPLICATION NUMBER: US/09/456,090A

CURRENT FILING DATE: 1999-12-06

CURRENT FILING DATE: 1999-12-06

SOFTWARE: PATENTIN Ver. 2.1

SEQ ID NO 88

LENGTH 224
                                            100.0%; Score 49; DB 2; Length 224; 100.0%; Pred. No. 0.043; tive 0; Mismatches 0; Indels
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                          Query Match
Best Local Similarity luv.
Action 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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OCANISM: Homo sapiens
CTHER INFORMATION: M2-34L
US-09-456-090A-88
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COTHER INFORMATION: M2-32L
US-09-456-090A-84
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US-09-456-090A-88
      US-09-456-090A-82
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APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUSLER, EILLEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: CAGOFFREY T.
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OS-09-103-124-104

OS-09-103-124-124-104

Patent No. 6794132

GENERAL INFORMATION:

APPLICANT: Buechler, Joe

APPLICANT: Gray, Jeff

APPLICANT: Conberg, Nils

APPLICANT: Lonberg, Nils

APPLICANT: GenPharm International

TITLE OF INVENTION: Human Antibodies

TITLE OF INVENTION: Human Antibodies

TITLE OF INVENTION: 1099-12-01

TITLE REFERENCE: 1999-10-02

CURRENT FILING DATE: 1999-10-02

NUMBER OF SEQ ID NOS: 112

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 90

LENGTH: 224
                                        TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR PILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 88
LENGTH: 224
TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M2-34L
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                       GenPharm International
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ORGANISM: Homo sapiens
OTHER INFORMATION: M2-35L
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APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APPLICANT: Blostee Diagnostics, Inc.
APPLICANT: Blostee Diagnostics, Inc.
TITLE OF INVENTION: Human Ancibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-10-02
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR PILING DATE: 1999-10-02
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 82
LENGTH: 224
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Fatent No. 6794132
GENERAL INPORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Buechler, Joe
APPLICANT: Carb. Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APPLICANT: GenPharm International
TITLE REPERENCE: 020015-000110US
CURRENT FILING DATE: 1999-12-01
PRIOR FILING DATE: 1999-10-02
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 84
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Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
OTHER INFORMATION: M2-31L
US-09-453-234-82
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OCANISM: Homo sapiens
CTHER INFORMATION: M2-32L
US-09-453-234-84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 RASOSVSSYLA 11
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Matches 11; Conserv
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US-09-453-234-84
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                                                                                                                                                                                        Score 48; DB 2; Length 109;
Pred. No. 0.03;
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                                                                                                                                                                                                                                      0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 37, Application US/10194975; Sequence No. 6881557; Sequence No. 6881557; GENRRAL INFORMATION; FROTE, Jefferson TITLE OF INVENTION: Super Humanized Antibodies; FILE REFERENCE: 501231.01; CURRENT FILING DATE: 2002-10-10; PRIOR APPLICATION NUMBER: US 60/305,111; PRIOR FILING DATE: 2001-07-12; SOFTWARE: PATENTIN NUMBER: US 60/305,111; SEQ 1D NO 97; SEQ 1D NO 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 45; DB 2;
Pred. No. 0.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94080
COMPUTER READABLE FORM:
MEDIUTER: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         % Sequence 18, Application US/07934373C
; Sequence 18, Application US/07934373C
; Patent No. S821373;
; GENERAL INFORMATION:
; APPLICANT: Paul J. Carter
; APPLICANT: Leonard G. Presta
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                         1; Mismatches
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/934,373C
FILING DATE: 21-Aug-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
  EARLIER FILING DATE: 1994-07-15
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 1 DNA way
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Genentech, Inc
                                                                                                                                                                                             98.0%;
illarity 90.9%;
Conservative
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Best Local Similarity 90.9
Matches 10; Conservative
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CORGANISM: Homo sapiens
US-10-194-975-87
                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 10; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                              US-10-194-975-87
                                                                                     LENGTH: 109
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APPLICANT: STEIPE, Borie
APPLICANT: STEIPE, Stefan
APPLICANT: STEINBACHER, Stefan
TITLE OF INVENTION: PROSESS FOR MODIFYING THE STABILITY OF ANTIBODIES
FILE REFERENCE: P8344-8072
CURRENT APPLICATION NUMBER: U8/09/157,370A
CURRENT PILING DATE: 1998-09-21
EARLIER APPLICATION NUMBER: 08/765,179
EARLIER PILING DATE: 1997-01-14
EARLIER PILING DATE: 1997-01-06
EARLIER PILING DATE: 1997-07-06
EARLIER PILING DATE: 1997-07-06
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APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUELLER, EILLEN E.
APPLICANT: MUELLER, EILLEN E.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT PILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR PLILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PARCENTIN Ver. 2.1
SEQ ID NO 69
LENGTH: 234
TYPE: PRI
CORGANISM: HOMO Sapiens
US-09-472-087-69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 49; DB 2; Length 234; Best Local Similarity 100.0%; Pred. No. 0.045; Matches 11; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                100.0%; Score 49; DB 2; Length 234; 100.0%; Pred. No. 0.045;
                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                            0; Mismatches
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 17
LENGTH: 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 69, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3, Application US/09157370A; Patent No. 6262238
                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
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                                                                                                                                                                                          TYPE: PRT
CRGANISM: Homo sapiens
US-09-472-087-17
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US-09-472-087-69
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Gaps
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; Sequence 18, Application US/08146206C
; Patent No. 6407213
; GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Carter, Leonard G.
TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STREET: LOIA WAY
CITY: South San Francisco
STREET: LOIA WAY
COUNTRY: USA
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                                                                                                                                          Length 107;
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Pred. No. 0.12;
                                                                                                                                                                                    0; Indels
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MEDIUM TYPE: 35 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winheatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/146,206C
FILING DATE: 17-No. 6407213-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/146,206C
FILING DATE: 14-JUN-1991
ATTOMEY/AGATIN NUMBER: 07/715272
FILING DATE: Lee, Wendy M.
REGISTRATION NUMBER: 90709P1
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/25-1994
TELEFHONE: 650/95-9881
INFORMATION FOR SEQ ID NO: 18:
                                                                                                                                       Score 45; DB 2;
Pred. No. 0.12;
2; Mismatches (
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Sequence 14, Application US/09648067A
Patent No. 6627196
GENERAL INFORMATION:
APPLICANT: BAUGhman, Sharon A.
APPLICANT: Shak Steven
                                                                                                                                     Query Match
Best Local Similarity 81.8%;
Matches 9; Conservative
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                                                                                                                                                                                                                            1 RASOSVSSYLA 11
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TYPE: Amino Acid
TOPOLOGY: Linear
US-08-437-642B-18
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TOPOLOGY: Linear
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ZIP: 94080
COMPUTER READBLE FORM:
MEDIUM TYRE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinParin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,642B
FILING DATE: 09-May-1995
CLASSIFICATION: 530
RRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 11-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206
FILING DATE: 15-JUN-1992
FILING DATE: 15-JUN-1992
FILING DATE: 15-JUN-1992
FILING DATE: 15-JUN-1992
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REGISTRATION NUMBER: 40,378
REGISTRATION NUMBER: 40,378
REGISTRATION NUMBER: 15-JUN-1991
TELEPHONE: 650/225-1994
TELEPHONE: 650/922-1994
TELEFRAX: 650/922-9881
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Sequence 18, Application US/08437642B

Fatent No. 6054297

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

ITLE OF INVENTION: Immunoglobulin Variants

UNMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESSEE: ADDRESSE:

ADDRESSEE: ADDRESSE:

CITY: South San Francisco

STATE: California

COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                91.8%; Score 45; DB 1;
81.8%; Pred. No. 0.12;
tive 2; Mismatches
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
RIOR APPLICATION DATA: 15-JUN-1992
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY-AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPAX: 650/225-1994
TELECOMMUNICATION INFORMATION:
LEEPAX: 650/225-1994
TELECOMMUNICATION INFORMATION:
LEEPAX: 650/225-1994
TELECOMMUNICATION INFORMATION:
LENGTH: 107 amino acids
TYPE: Amino Acid
TYPE: Amino Acid
TYPE: Amino Acid
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Best Local Similarity 81.8
Matches 9; Conservative
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Presta, Leonard G.
TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSE: Genentech, Inc.
STREET: I DNA WAY
                                                                                                                                                                                                                                             APPLICANT: Carter, Paul J.
Presta, Leonard G.
TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 36
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Indels
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APPLICATION NUMBER: US/09/705,392A
FILING DATE: 02-No. 6719971-2002
CLASSIFICATION ATTA
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/146206
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
RESISTATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: 90709P1D1 REVISED
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
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Pred. No. 0.12;
Mismatches
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SEQUENCE DESCRIPTION: SEQ ID NO: 18:
                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                               Sequence 18, Application US/09705392A Patent No. 6719971 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-705-398-18; Sequence 18, Application US/09705398; Sequence 18, Application US/09705398; Patent No. 6800738 GENERAL INFORMATION:
2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
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24 RASQSISNYLA 34
                                        1 RASOSVSSYLA 11
                                                              1 RASOSVSSYLA 11
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Matches
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Dosages for Treatment with Anti-ErbB2 Antibodies
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Patent No. 6639055
GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                 Length 107;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 45; DB 2; Length 107;
Pred. No. 0.12;
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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winhartin (Geneticch)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/705,686
FILING DATE: 02-No. 6639055-2000
CLASSIFICATION NUMBER: 08/146206
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 07/715272
REGISTRATION NUMBER: 07/715272
APPLICATION NUMBER: 07/715272
APPLICATION NUMBER: 07/715272
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 07/7109173
                                                                                                                                                                                                                                                                                                                                                 Score 45; DB 2
Pred. No. 0.12;
2; Mismatches
          FILE REPERENCE: P1775R1
CURRENT APPLICATION NUMBER: US/09/648,067A
CURRENT FILING DATE: 2000-08-25
PRIOR PELLING DATE: 1999-08-27
PRIOR FILING DATE: 1999-08-27
PRIOR FILING DATE: 2000-06-23
NUMBER OF SEQ ID NOS: 15
LENGTH: 107
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TELECOMMUNICATION INFORMATION:
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SEQUENCE DESCRIPTION: SEQ ID NO: 18:
                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: VL consensus sequence US-09-648-067A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: South San Francisco
STATE: California
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TYPE: Amino Acid
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INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
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81.8%;
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ORGANISM: Artificial sequence
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81.8%;
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Best Local Similarity 81.8
Matches 9; Conservative
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Best Local Similarity
  TITLE OF INVENTION:
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US-09-705-686-18
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CITY: South San Francisco

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Sequence 5, Application US/09602812A
; Sequence 5, Application US/09602812A
; Patent No. 6949245
; GENERAL INFORMATION:
; APPLICANT: Presta, Leonard G.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/09/602,812A
; CURRENT PILING DATE: 2000-06-25
; PRIOR APPLICATION NUMBER: US 60/141,316
; SEQ ID NOS: 13
; SEQ ID NO 5
; LENGTH: 107
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81.8%; Pred. No. 0.12;
tive 2; Mismatches 0; Indels
COMPUTER, USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/705, 398
FILING DATE: 02-No. 6800738-2000
CLASSIFICATION NUMBER: US/146206
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 07/715272
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 07/715272
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 07/715272
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: 40,378
REGISTRATION NUMBER: 40,378
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPAX: 650/252-1994
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TELEPAX: 650/252-1994
TELEPAX: 650/252-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
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ORGANISM: Artificial sequence
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Best Local Similarity 81.8
Matches 9; Conservative
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Best Local Similarity 81.8
Matches 9; Conservative
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PET-USS3-0783-18

Sequence 18 Application PC/TUS9307832

GENERAL INFORMATION: Immunoglobulin Variants
NUMBER OF INFESTIONS: Immunoglobulin Variants
NUMBER OF SEQUENCES: A conserved. Inc.
TITLE OF INVESTIONS: Immunoglobulin Variants
NUMBER OF SEGUENCES: A conserved. Inc.
STATE: California
CONSTRET: 460 Point San Bruno Blvd
STTY: South San Francisco
CONSTRET: 460 Point San Bruno Blvd
STTY: South San Francisco
CONSTRET: 460 Point San Bruno Blvd
STTY: South San Francisco
CONSTRET: A conserved. Inc.
STATE: A california
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Copyright (c) 1993 - 2005 Compugen Ltd. 1990	US-09-8 US-11-0 US-10-9 US-11-0 US-09-7 US-09-7 US-09-7 US-09-9	US-10-181-324-4 US-10-325-696-14 US-10-251-085B-14 US-10-251-085B-14 US-10-251-085B-14 US-10-571-399-2 US-10-737-252-143 US-10-482-630-78 US-10-482-630-78	US-10-9 US-10-9 US-10-9 US-10-9 US-11-0 US-11-11 US-11-11 US-11-11 US-10-3 US-	US-10-98 US-11-00-98 US-11-00-98 US-11-00-98 US-11-00-98 US-10-98
Copyright (c) 1993 - 2005 Compagen Ltd. 200	1001 1002 1002 1004 1007 1007	1007 1007 1007 1007 1007	1007 1007 1007 1007 1008 1008 1008	7 4 4 4 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6
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In - protein search, using sw model				
in - protein search, using sw model December 14, 2005, 07:19:54; Search time 50.483 Secon (41thour alignments) 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-323-4 18.10-720-320-320-320-320-320-320-320-320-320-3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2) M W 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	# 4 W W W W W W W W W W W W W W W W W W	
in - protein search, using sw model December 14, 2005, 07:19:54; Search time 50.483 Secon (4thiour alignments) 18.10-720-323-4 18.10-720-320-320-320-320-320-320-320-320-320-3				

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Publication No. US20030226155A1

GENERAL INFORMATION:

APPLICANT: SADEGHI, Homayoun

APPLICANT: TURNER, Andrew

ITILE OF INVENTION:

CURRENT APPLICATION WUMBER: US/10/384,060

CURRENT FILING DATE: 2003-03-10

PRIOR APPLICATION WUMBER: US 10/231,494

PRIOR PLING DATE: 2001-08-30

PRIOR PLING DATE: 2001-08-30

PRIOR FILING DATE: 2001-08-30

NUMBER OF SEQ ID NOS: 80

SEQ ID NO?

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                         APPLICANT: TURNER, AND THE TOTAL TURNER TO THE TOTAL TURNER TURNER TO THE TOTAL TURNER TO THE TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TO
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PRIOR, Christopher P.
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Best Local Similarity 100.
Matches 11, Conservative
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US-10-091-300-1
US-10-091-300-1
Sequence 1, Application US/10091300
Dublication No. US20030108545A1
GENERAL INFORMATION:
APPLICANT: Rockwell, Patricia
APPLICANT: Goldstein, Neil I.
TITLE OF INVENTION: Combination Methods of Inhibiting Tumor Growth With a Vascular
TITLE OF INVENTION: Endothelial Growth Factor Receptor Antagonist
TITLE OF INVENTION: UNMERS: US/10/091,300
CURRENT APPLICATION NUMBER: 105/10/091,300
CURRENT FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 85
SOFFWARE: WordPerfect 8.0 for Windows
SEQ ID NO 1
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Centrocor, Inc.
APPLICANT: Giles-Komar, Jill
APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Trikha, Mohit
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REFERENCE: CEN 249
CURRENT APPLICATION NUMBER: US/09/920,267C
CURRENT APPLICATION NUMBER: 60/223,363
PRIOR PILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PALENTIN Version 3.1
SEQ ID NO 4
LENGTH: 11
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US-10-384-060-63
US-10-384-060-63
Sequence 63, Application US/10384060
Publication No. US20030226155A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                       Sequence 4, Application US/09920267C Publication No. US20030040044A1 GENERAL INFORMATION:
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ORGANISM: Homo Bapiens
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Matches 11; Conserv
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RESULT 5

; APPLICANT: SADEGHI, Homayoun

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APPLICANT: Petren, Paul
APPLICANT: Petren, Jorgen
APPLICANT: Baadsgaard, Ole
APPLICANT: Handly Haichun
TITLE OF INVENTION: Human WONCLONAL ANTIBODIES AGAINST CD20
FILE REFERENCE: GMI-055
CURRENT FILING DATE: 2003-10-17
PRIOR FILING DATE: 2002-10-17
PRIOR FILING DATE: 2002-04-02
PRIOR FILING DATE: 2002-04-02
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.0
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  CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: US 60/419,163
PRIOR FILING DATE: 2002-10-17
PRIOR FILING DATE: 2002-04-02
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 16
LENGTH: 11
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APPLICANT: Tealing, Jessica; APPLICANT: Ruuls, Sigrid; APPLICANT: Ruuls, Sigrid; APPLICANT: Parren, Parren, Parling, APPLICANT: Parren, Paul; APPLICANT: Parren, Paul; APPLICANT: Baadagaard, Ole; APPLICANT: Huang, Haichun
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US-10-687-799-22
i Sequence 22, Application US/10687799
i Publication No. US20040167319A1
i GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Marches 11; Conservative
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APPLICANT: Wulls, Sigrid
APPLICANT: Glennie, Martin
APPLICANT: van de Winkel, Jan
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Best Local Similarity 100.
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CORGANISM: Homo sapiens
US-10-687-799-16
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TYPE: PRT
ORGANISM: Homo sapiens
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US-10-656-769-70
i Sequence 70, Application US/10656769
i Publication No. US20040097712A1
i GENERAL INFORMATION:
i APPLICANT: Varium, Brian
i APPLICANT: Waite, Alison
APPLICANT: Wordina, Chris
i APPLICANT: Wondy, Lu Min
i APPLICANT: Wondy, Lu Min
i APPLICANT: Wondy, Lu Min
i APPLICANT: Wondy, Lu Min
i APPLICANT: Wondy, Lu Min
i APPLICANT: Wondy, Lu Min
i APPLICANT: OF 11554
i CURRENT APPLICATION UMBER: US/10/656,769
i CURRENT FILING DATE: 2003-09-05
i NUMBER OF SEQ ID NOS: 79
i SOFTWARE: Patentin version 3.0
i SEQ ID NO 70
i SEQ ID NO 70
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| Publication No. US20040167319A1 |
| GENERAL INFORMATION |
| APPLICANT: Teeling, Jessica |
| APPLICANT: Glennie, Martin |
| APPLICANT: Van de Winkel, Jan |
| APPLICANT: Parren, Paul |
| APPLICANT: Parren, Paul |
| APPLICANT: Parren, Paul |
| APPLICANT: Parren, Paul |
| APPLICANT: Hang, Haichun |
| APPLICANT: Hung, Haichun |
| TITLE OF INVENTION: HUMAN WONOCLONAL ANTIBODIES AGAINST CD20 |
| FILE REFERENCE: GMI-055 |
| CURRENT APPLICATION NUMBER: US/10/687,799
US-10-173-551-10
; Sequence 10, Application US/10173551
; Publication No. US20030232387A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Chafen
; TITLE OF INVENTION: Antibodies that bind alphaE Integrin
; FILE REFERENCE: 1855.2025-000
; CURRENT APPLICANTION NUMBER: US/10/173,551
; CURRENT FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 11
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Best Local Similarity 100.
Matches 11; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
US-10-656-769-70
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Best Local Similarity
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US-10-687-799-16
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100.0%; Score 49; DB 4; Length 11; 100.0%; Pred. No. 0.024; Live 0; Mismatches 0; Indels
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Best Local Similarity 100.0%;
Matches 11; Conservative 0;
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ORGANISM: Artificial sequence
PEATURE:
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Best Local Similarity 100.
Matches 11; Conservative
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; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-720-323-4
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Best Local Similarity
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US-10-396-578-35
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Sequence 4, Application US/10720323

Bublication No. US20040185507A1

GENERAL INFORMATION:

APPLICANT: Centocor, Inc.

APPLICANT: Giles-Komar, Jill

APPLICANT: Snyder, Linda

APPLICANT: Nakada, Marian

TITLE OF INVENTION: AVTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES

TITLE OF INVENTION: AVTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES

CURRENT FILING DATE: 2003-11-24

PRIOR APPLICATION NUMBER: 60/223,363

PRIOR FILING DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 17

SOFTWARE: PATENTIN VERSION 3.1
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US-10-394-471B-12
i Sequence 12, Application US/10394471B
i Publication No. US20040185047A1
i Publication No. US20040185047A1
i Publication No. US20040185047A1
i APPLICATION No. US20040185047A1
i TITLE OF INVENTION: ANTI-TNF ANTIBODIES, COMFOSITIONS, METHODS AND USES
i FILE REFERENCE: CEN0202
i CURRENT APPLICATION NUMBER: US/10/394,471B
i CURRENT FILING DATE: 2003-03-21
i PRIOR FILING DATE: 2003-03-26
i NUMBER OF SEQ ID NOS: 17
i SOFTWARE: Patentin Ver 3.1
i SEQ ID NO 12
i LENGTH: 1
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  TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST CD20
                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 49; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 0; Indels
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            CURRENT APPLICATION NUMBER: US/10/687,799
CURRENT FILIDE DATE: 2003-10-17
PRIOR APPLICATION NUMBER: US 60/419,163
PRIOR FILING DATE: 2002-10-17
PRIOR PELING DATE: 2002-0-17
PRIOR FILING DATE: 2002-0-64-02
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PARISEQ FOR WINDOWS VERSION 4.0
SSOFTWARE: PELING DATE: 11
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US-10-687-799-28
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US-10-720-323-4
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Best Local (
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US-10-396-578-83

US-10-396-578-83

SQUENCE 83, Application US/10396578

Publication No. US20040191260A1

GENERAL INFORMATION:

APPLICANT: Reiter, Voram

APPLICANT: Reiter, Voram

APPLICANT: Cohen, Cyril J.

TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: 25563

CURRENT APPLICATION UMBER: US/10/396,578

CURRENT PILING DATE: 2003-03-26

NUMBER OF SEQ ID NOS: 97

SEQ ID NOS: 97

LENGTH: 11

LENGTH: 11
                                                                                                                                                                                                                Sequence 35, Application US/10396578

Sequence 35, Application No. US20040191260A1

SENERAL INFORMATION:
SEPLICANT: Reiter, Yoram

APPLICANT: Cohen, Cyril J.
TITLE OF INVENTION: AND USES THEREOF

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: 25563

CURRENT APPLICATION NUMBER: US/10/396,578

CURRENT FILING DATE: 2003-26

NUMBER OF SEQ ID NOS: 97

SOFTWARE PARENTI Normaion 3.2

SEQ ID NO 35

LENGTH: 11
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Pred. No. 0.024;
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Sequence 128, Application US/10891658

Sequence 128, Application US/10891658

Publication No. US20050074821A1

GENERAL INFORMATION:

APPLICANT: Rennerh, Wild

APPLICANT: Treanor, James

APPLICANT: Inoue, Heather

APPLICANT: Martin, Frank

ITLE OF INVENTION: Inhibitors

FILE OF INVENTION: Inhibitors

FILE REFERENCE: 02-1240

CURRENT APPLICATION NUMBER: US/10/891,658

CURRENT APPLICATION NUMBER: US 60/487,431

PRIOR FILING DATE: 2004-07-15

NUMBER OF SEQ ID NOS: 138

SOFTWARE: PatentIn version 3:0

SEQ ID NO 128

LENGTH: 11
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                                                                                                                                                                                                                                      ## APPLICANT: LUZUKLAKA, MACHALIUE
## APPLICANT: SOMASUNDARAN, MOHAN
## APPLICANT: BABCOCK, Gregory J.
## APPLICANT: THOMAS, JR., William D.
## APPLICANT: THOMAS, JR., William D.
## APPLICANT: THOMAS, JR., William D.
## APPLICANT: THOWAS, JR., William D.
## TITLE OF INVENTION: SARS NUCLEIC ACIDS, PROTEINS, ANTIBODIES
## TITLE OF INVENTION: AND USES THEREOF
## TITLE OF INVENTION: AND USES THEREOF
## TITLE OF INVENTION: AND USES THEREOF
## TILL OF INVENTION: AND USES THEREOF
## CURRENT FILING DATE: 2004-04-06-04
## PRIOR PELLING DATE: 2004-02-18
## PRIOR PELLING DATE: 2004-02-18
## PRIOR APPLICATION NUMBER: US 60/510251
## PRIOR APPLICATION NUMBER: US 60/492529
## PRIOR APPLICATION NUMBER: US 60/492529
## PRIOR APPLICATION NUMBER: US 60/492529
## PRIOR APPLICATION NUMBER: US 60/492529
## NUMBER OF SEQ ID NOS: 148
## SEQ ID NOS: 148
## SEQ ID NOS: LENGTH: 11
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US-10-911-838-10
                                                                                                                                   HERNANDEZ, Hector
GREENOUGH, Thomas
LUZURIAGA, Katherine
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US-10-891-658-128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
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Sequence 53, Application US/10482630

Publication No. US20040242851A1

Publication No. US20040242851A1

GENERAL INFORMATION:

APPLICANT: Zhu, Zhenping

TITLE OF INVENTION: Bispecific Antibodies That Bind to VEGF Receptors

FILE REFRENCE: 11246/48502

CURRENT APPLICATION NUMBER: US/10/482,630

CURRENT FILING DATE: 2003-12-23

PRIOR APPLICATION NUMBER: PCT/US02/20332

PRIOR FILING DATE: 2002-06-26

PRIOR FILING DATE: 2001-06-26

NUMBER OF SEQ ID NOS: 137

SEQ ID NO 53

LENGTH: 11
         Gaps
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    0; Mismatches
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US-10-911-838-10
: Sequence 10, Application US/10911838
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
11; Conservative
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Best Local Similarity
Matches 11; Conserva
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ORGANISM: Human
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US-10-783-311-232
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TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES TITLE OF INVENTION: AND USES THEREOF FILE REFERENCE: 2934 CURRENT APPLICATION NUMBER: US/11/074,803 CURRENT PILING DATE: 2005-03-09 NUMBER OF SEQ ID NOS: 97 SOOTHWARE: Patentin version 3.2 SEQ ID NO 83 LENGTH: 11
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                                                                                                                                                                                                                                                                      TYPE: PRT

PGGANIEM: Artificial sequence
FEBATURE:
OTHER INFORMATION: Sequence of complementarity determining region of Fab
OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex.
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100.0%; Score 49; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 0; Indels
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APPLICANT: RANGAN, Vangipuram
APPLICANT: LANG, Thomas E.
APPLICANT: LANG, Thomas E.
APPLICANT: LANG, Thomas E.
APPLICANT: LANG, Thomas E.
APPLICANT: LANG, Thomas E.
APPLICANT: LANG, MICHAEL T.
TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES FILE REFERENCE: MXI-312
CURRENT APPLICATION NUMBER: US/11/009,731
CURRENT FILING DATE: 2004-12-10
PRIOR APPLICATION NUMBER: 60/529180
PRIOR PILING DATE: 2003-12-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5: SEQ ID NOS: 126
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Publication No. US20050191293A1
GENERAL INFORMATION:
APPLICANT: DESHPANDE, Shirkant
APPLICANT: HUANG, Haichun
APPLICANT: SINUVASAN, Mohan
APPLICANT: CARDARELLI, Josephine M.
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SRINIVASAN, Mohan
CARDARELLI, Josephine M.
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APPLICANT: DESHPANDE, Shirkant
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Best Local Similarity 100.
Matches 11, Conservative
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CRGANISM: Homo sapiens
US-11-009-731-52
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US-11-074-803-35
US-11-074-803-35
Squence 35, Application US/11074803
Publication No. US20050152912A1
GENERAL INFORMATION:
APPLICANT: Reiter, Yoral J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 29361
CURRENT APPLICANT: 2005-03-09
NUMBER OF SEQ ID NOS: 97
SCOTWARE PATHOGEN PRESENTING NO. 11/074,803
CURRENT FILING DATE: 2005-03-09
NUMBER OF SEQ ID NOS: 97
SSO ID NO 35
LENGTH: 11
LENGTH: 11
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                                                                                                    Sequence 1, Application US/10506997

| Publication No. US20050234225A1
| GENERAL INFORMATION |
| GENERAL INFORMATION |
| SPECIANT: Imclone Systems Incorporated |
| TITLE OF INVENTION: Human Antibodies Specific To KDR And Uses Thereof |
| TITLE OF INVENTION: Human Antibodies Specific To KDR And Uses Thereof |
| FILE REFERENCE: 112454/49602 |
| CURRENT APPLICATION NUMBER: PCT/US03/06459 |
| PRIOR APPLICATION NUMBER: PCT/US03/06459 |
| PRIOR APPLICATION NUMBER: 60/361,783 |
| PRIOR PILING DATE: 2003-03-04 |
| PRIOR FILING DATE: 2003-03-04 |
| NUMBER OF SEQ ID NOS: 93 |
| SOFTWARE: WordPerfect 8.0 for Windows |
| SEQ ID NO 1
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US-11-074-803-83
; Sequence 83, Application US/11074803
; Publication No. US20050152912A1
; GENERAL INFORMATION:
; APPLICANT: Reiter, Yoram
; APPLICANT: Cohen, Cyril J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial sequence
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Best Local Similarity 100.
Matches 11; Conservative
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Matches 11, Conserv
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ORGANISM: Human
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                   GENERAL INFORMATION:
APPLICANT: FOOLE, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR FILING DATE: 2001-07.12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: Patentin Version 3.1
SEQ ID NO 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 49; DB 4; 100.0%; Pred. No. 0.23;
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; Sequence 33, Application US/10308817
; Publication No. US20030219861A1
; GENERAL INFORMATION:
; APPLICANT: Rocher, Russell
; APPLICANT: Wu, Dayang
; TITLE OF INVENTION: HYBRID ANTIBODIES
; FILE REFERENCE: 1087-37
; CURRENT APPLICATION NUMBER: US/10/308,817
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
LENGTH: 95
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      Publication No. US20030039649A1
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Best Local Similarity 100.
Matches 11; Conservative
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ORGANISM: Homo sapiens
US-10-194-975-86
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Best Local Similarity
Matches 11; Conserv
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US-10-308-817-33
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APPLICANT: PASSING: VANGIDGE.
APPLICANT: RANGAN, VANGIDGE.
APPLICANT: LANE, Thomas E.
APPLICANT: KEIRGTEAD, Hans S.
APPLICANT: KEIRGTEAD, Hans S.
TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES
FILE REFERENCE: MXI-312
CURRENT FAPLICATION NUMBER: 60/529180
PRIOR PRILIGADATE: 2004-12-10
PRIOR PILING DATE: 2003-12-10
PRIOR PILING DATE: 2003-12-10
NUMBER: OF SEQ ID NOS: 126
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 57
TENGTH: 11
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APPLICANT: STERM, ANNE
APPLICANT: STRERN, PAMELA
APPLICANT: STUBENA CHE, KAY-GUNNAR
APPLICANT: STUBENBAUCH, KAY-GUNNAR
APPLICANT: VAN DE WINKEL, JAM
APPLICANT: VAN UGT, MARTINE
TITLE OF INVENTION: ANTI-P SELECTIN ANTIBODIES
FILE REFERENCE: 22354
CURRENT APPLICATION NUMBER: US/11/102,403
CURRENT APPLICATION NUMBER: EP 04008722.3
PRIOR APPLICATION NUMBER: EP 04008722.3
PRIOR PILING DATE: 2004-04-13
NUMBER OF SEQ ID NOS: 55
SGOTWARE: PRECENTIN VET. 3.3
SEQ ID NO 43
LENGTH: 11
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APPLICANT: HIMBER, JACQUES
APPLICANT: JANSEN-MOLENBAR, MIRANDA
APPLICANT: KLING, DOROTHEE
APPLICANT: ROPETZKI, ERHARD
APPLICANT: REBERS, FRANK
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US-10-194-975-86
; Sequence 86, Application US/10194975
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Sequence 43, Application US/11102403
Publication No. US20050226876A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 11; Conservative
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ORGANISM: Homo sapiens
US-11-102-403-43
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Best Local Similarity
Matches 11; Conserva
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Best Local Similarity 100.0%; Score 49; DB 5; Length 102;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 11; Conservative 0; Mismatches 0; Indels
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100.0%; Score 49; DB 6; Length 101;
Best Local Similarity 100.0%; Pred. No. 0.24;
Matches 11; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/11/009,731
CURRENT FILING DATE: 2004-12-10
PRIOR APPLICATION NUMBER: 60/529180
PRIOR FILING DATE: 2003-12-10
NUMBER OF SEQ ID NOS: 126
SEQ ID NO 96
LENGTH: 101
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Sequence 30, Application US/10916840
Fublication No. US20050136053A1
GENERAL INFORMATION:
APPLICANT: Hufton, Simon E.
APPLICANT: Hoet, Rene
APPLICANT: Pleters, Henk
APPLICANT: Rockey, Kristen
TITLE OF INVENTION: TIE1-BINDING LIGANDS
FILE REFERENCE: 10280-083001
CURRENT APPLICATION NUMBER: US/10/916,840
CURRENT PILING DATE: 2004-08-12
FRIOR APPLICATION NUMBER: US 60/494,713
FRIOR FILING DATE: 2003-08-12
NUMBER OF SEQ ID NOS: 161
SOFTWARE: FRANCE FURSED FOR WINDOWS Version 4.0
SEQ ID NO 30
                                                                                                                   APPLICANT: DESHPANDE, Shirkant
APPLICANT: HUANG, Haichun
APPLICANT: SRIMIVASAN, Mohan
APPLICANT: CARDARELLI, Josephine M.
APPLICANT: PASSMORE, David
APPLICANT: PASSMORE, David
APPLICANT: RANGAN, Vangipuram
APPLICANT: LANE, Thomas E.
APPLICANT: KEIRSTEAD, Hans S.
APPLICANT: LIU, Michael T.
                                                         Sequence 96, Application US/11009731
Publication No. US20050191293A1
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ORGANISM: Artificial Sequence
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; ORGANISM: Homo sapiens
US-11-009-731-96
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Sequence 4, Application US/0989896;
Fatent No. US20020072588A1
GENERAL INFORMATION:
APPLICANT: Was Beingen, Hans-Christian
APPLICANT: Genain, Claude P.
APPLICANT: Genain, Claude P.
TILLE OF INVENTION: Recombinant Antibody Fragments as Autoantibody
TITLE OF INVENTION: Antagonists
FILE REFERENCE: SF01-025-2;
CURRENT APPLICATION NUMBER: US/09/899,896
CURRENT FILING DATE: 2000-10-17
FRIOR FILING DATE: 2000-10-17
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.1
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Best Local Similarity 100.0%; Pred. No. 0.23; Matches 11; Conservative 0; Mismatches
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APPLICANT: Desjarlais, John Rudolf
APPLICANT: Marshall, Shannon Alicia
APPLICANT: Desjarlais, John Rudolf
APPLICANT: Bassil I.
TITLE OF INVENTION: ANTIBODY OPTIMIZATION
FILE REFERENCE: A-71386-3 46307-236
CURRENT APPLICATION NUMBER: US/10/379,392
CURRENT PRILING DATE: 2002-03-01
PRIOR FILING DATE: 2002-03-01
PRIOR FILING DATE: 2002-05-29
NUMBER OF SEQ ID NOS: 184
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                             Sequence 93, Application US/10379392; Publication No. US20040110226A1; GENERAL INFORMATION:
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                                                                1 RASQSVSSYLA 11
                                                                                                     24 RASOSVSSYLA 34
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; ORGANISM: Homo sapiens
US-10-379-392-93
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Matches 11; Conserv
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ORGANISM: human
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US-10-379-392-93
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LENGTH: 100
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US-09-899-896-4
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Publication No. US20030103978A1
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Best Local Similarity 100.
Matches 11, Conservative
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Best Local Similarity 100.
Matches 11, Conservative
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US-09-791-153A-69
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US-09-791-153A-71
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US-09-982-464-2
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**Bublication No. US2005020859611

**GENERAL INFORMATION

**GENERAL INFORMATION

**TITLE OF INVENTION: COMPOSITIONS, METHODS AND KITS RELATING TO ANTI-PLATELET

**TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF

**TITLE OF INLING DATE: 003-07-03

**PRIOR FILING DATE: 2003-07-03

**PRIOR FILING DATE: 2003-07-03

**PRIOR FILING DATE: 2002-07-03

**PRIOR PRIOR DATE: 2002-07-03

**PRIOR FILING DATE: 2002-07-03

**PRIOR FILING DATE: 2002-07-03

**PRIOR PRIOR DATE: 2002-07-03

**PRIOR PRIOR DATE: 2002-07-03

**PRIOR PRIOR DATE: 200
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                                           US-10-16-840-38

Sequence 38, Application US/10916840

Publication No. US20050136053A1

GENERAL INFORMATION:
APPLICANT: Hufton, Simon E.
APPLICANT: Hoet, Rene
APPLICANT: Fieters, Henk
APPLICANT: Rene, Rachel Baribault
APPLICANT: Rene, Rachel Baribault
APPLICANT: Rockey, Kristen
TILE REPERENCE: 10280-083001
CURRENT APPLICATION NUMBER: US/10/916,840
CURRENT FILING DATE: 2004-08-12
PRIOR FILING DATE: 2003-0812
NUMBER OF SEQ ID NOS: 161

SOFTWARE: PRESESC for Windows Version 4.0

SEQ ID NO 38
LENGTH: 102
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.'
....has 11; Conservative
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ORGANISM: Homo sapiens
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US-09-791-153A-69
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Sequence 69, Application US/09791153A

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| Sequence 14, Application US/10340189 |
| Publication No. US20030229207A1 |
| GENERAL INFORMATION: ADDITIONAL Studmicka, Gary M. |
| TITLE OF INVENTION: Modified Antibody Variable Domains NUMBER OF SEQUENCES: 8 |
| CORRESPONDENCE ADDRESS: |
| STREET: 500 W. Madison Street, 34th Floor CITT: Chicago STATE: Illinois COUNTRY: USA |
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                                                                                                   100.0%; Score 49; DB 4; Length 107; 100.0%; Pred. No. 0.26;
                                                                                                                                                                         0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/10181324

Publication No. US20030124617A1

GENERAL INFORMATION:

APPLICANT: Gram, Hermann

APPLICANT: Dladova, Franco E

TILLE OF INVENTION: ANTIBODIES TO HUMAN IL-1 BETA

FILE REFERENCE: 4-31289A

CURRENT APPLICATION NUMBER: US/10/181,324

CURRENT FILING DATE: 2002-07-16

NUMBER OF SEQ ID NOS: 4

SOCTWARE: PatentIn version 3.0

SEQ ID NO 4

LENGTH: 107
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APPLICATION UNBER: US/09/245,202A
FILING DATE: UNKNOWN>
APPLICATION NUMBER: 08/082,842
FILING DATE: 23-JUN-1993
APPLICATION NUMBER: PCT/US92/10906
FILING DATE: 14-DEC-1992
APPLICATION NUMBER: US 07/808,464
FILING DATE: 13-DEC-1991
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Ver
RAPPLICATION NUMBER: US/10/340,189
FILING DATE: 10-Jan-2003
CLASSIFICATION: 530
                                                                                                                                                                         0; Mismatches
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Best Local Similarity 100.0%;
Matches 11; Conservative 0
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                                                                                               Query Match
Best Local Similarity
; ORGANISM: Human
US-10-091-300-26
                                                                                                                                                                             Matches
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Sequence 40, Application US/10233996

Publication No. US20030096976A1

GENERAL INFORMATION:
APPLICANT: HONG, Hyo Jeong
APPLICANT: KANG, Young Jun
APPLICANT: KANG, Young Jun
APPLICANT: KANG, Young Jun
APPLICANT: KANG, Young Jun
APPLICANT: KANG, Young Jun
APPLICANT: KANG, YOON, Sung Kwan
TITLE OF INVENTION: HUMANIZED ANTIBODIES LB-00503 AND LB-00506 SPECIFIC FOR HUMAN 4-1
TITLE OF INVENTION: HUMANIZED ANTIBODIES
TITLE OF INVENTION: HUMANIZED ANTIBODIES
CURRENT APPLICANTON WIMBER: US/10/233,996
CURRENT APPLICANTON NUMBER: US/10/233,996
CURRENT PILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 53
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 40
LENGTH: 107
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Publication No. US20330108545A1
GENERAL INFORMATION:
APPLICANT: Rockwell, Patricia
APPLICANT: Rockwell, Patricia
APPLICANT: Goldstein, Neil I.
TITLE OF INVENTION: Combination Methods of Inhibiting Tumor Growth With a Vascular;
TITLE OF INVENTION: Endothelial Growth Factor Receptor Antagonist
FILE REFRENCE: 11245/46211
CURRENT APPLICATION NUMBER: US/10/091,300
CURRENT FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 85
SOFTWARE: WordPerfect 8.0 for Windows
SEQ ID NO 26
LENGTH: 107
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100.0%; Score 49; DB 3; Length 107;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 11; Conservative 0; Mismatches 0; Indels
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100.0%; Score 49; DB 4; Length 107;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 11; Conservative 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: 09/434,870 PRIOR FILING DATE: 1999-11.04 PRIOR APPLICATION NUMBER: 60/159,689 PRIOR FILING DATE: 1999-10-14
                                                                                                                                    NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
LENGTH: 107
TYPE: PRT
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ORGANISM: Artificial Seguence
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US-09-982-464-2
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          NAME: MCNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET VUMBER: 11023US07 / 200-71.P2.C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Studnicka, Gary M.
TITLE OF INVENTION: Modified Antibody Variable Domains
NUMBER OF SEQUENCES: 67
CORRESPONDER ADDRESS:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Janet M. MCNICholas, Ph.D.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 11023US06/200-71.Pl.C3
TELECOMMUNICATION INFORMATION:
                                                                                               | INFORMATION FOR SEQ ID NO: 14:
| SEQUENCE CHARACTERISTICS:
| ELNGTH: 107 amino acids
| TYPE: amino acids
| POPOLOGY: linear
| MOLECULE TYPE: protein
| SEQUENCE DESCRIPTION: SEQ ID NO: 14:
| US-10-340-189-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: IL COUNTRY: United States of America
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MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 14, Application US/10325696
Publication No. US20040005630A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 312/707-8889
TELEFAX: 312/707-9050
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acid
TYPE: amino acid
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 60661
COMPUTER READABLE FORM:
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US-10-325-696-14

Query Match

Query Match

Best Local Similarity 100.0%; Score 49; DB 4; Length 107;

Best Local Similarity 100.0%; Pred. No. 0.26;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps

Qy 1 RASQSVSSYLA 11

Db 24 RASQSVSSYLA 34
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Search completed: December 14, 2005, 07:37:53 Job time : 50.4483 secs

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US-11-054-515-1385
US-11-054-515-1717
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8: /cgn2_6/ptodata/1/pubpaa/USI1_NEW_PUB.pep:*
                              GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-11-084-554-138
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US-11-093-274-24
US-11-093-274-22
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Maximum Match 100%
Listing first 100 summaries
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Gapop 10.0 , Gapext
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length: 2000000000
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Maximum DB seq
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| Sequence 33, Application US/11093274
| Publication No. US2005056008A1
| Publication No. US2005056008A1
| GENERAL INFORMATION:
| APPLICANT: Cardarelli, Josephine M. APPLICANT: Cardarelli, Josephine M. APPLICANT: Stintwasan, Mohan TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES FILE REFERENCE: 04280/1201101-US1
| CURRENT APPLICATION NUMBER: US/11/093,274
| CURRENT PILING DATE: 2004-03-29
| PRIOR PILING DATE: 2004-03-29
| PRIOR PILING DATE: 2004-03-29
| NUMBER OF SEQ ID NOS: 41
| SOFTWARE: Patentin version 3.2
| SEQ ID NO 33
| LENGTH: 94
US-11-093-274-12

US-11-093-274-12

Sequence 12, Application US/11093274

Publication No. US20050266008A1

GENERAL INFORMATION:
APPLICANT: Gradiano, Robert
APPLICANT: Gradiano, Thomas
APPLICANT: Cutter, Deth
APPLICANT: Cutter, Deth
APPLICANT: Stintvasan, Mohan
TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/12011-051

CURRENT APPLICATION NUMBER: US/11/093,274

CURRENT FILING DATE: 2005-03-28

FILM APPLICATION NUMBER: 60/557,741

PRIOR APPLICATION NUMBER: 60/557,741

PRIOR APPLICATION NUMBER: 60/557,741

SOFTWARE PRIANG DATE: 2004-03-29

NUMBER OF SEQ ID NOS: 41

SEQ ID NO 12

LENGTH: 11

THENTH: 11
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; TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
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; Publication No. US20050261480A1
; GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 11; Conservative 0;
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Matches 11; Conservative
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ORGANISM: Homo sapiens
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US-11-054-669-86
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    Sequence 1719,
Sequence 1733,
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100.0%; Pred. No. 9.6e-05;
tive 0; Mismatches 0; Indels
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Publication No. US20050266008A1

GENERAL INPORMATION:
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cutter, Beth
APPLICANT: Cutter, Beth
APPLICANT: Stinivasan, Mohan
TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT PILING DATE: 2005-03-28
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR APPLICATION NUMBER: 60/557,741

PRIOR APPLICATION NUMBER: 2005-03-28

NUMBER OF SEQ ID NOS: 41

SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                APPLICANT: Gardacelli, Josephine M.
APPLICANT: Gardacelli, Josephine M.
APPLICANT: Kempe, Thomas
APPLICANT: Kempe, Thomas
APPLICANT: Cutter, Beth
APPLICANT: Srinivasan, Mohan
ITLE OF INVENTION: IRTHA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT PILING DATE: 2005-03-28
PRIOR FILING DATE: 2004-03-29
PRIOR FILING DATE: 2004-03-29
PRIOR FILING DATE: 2004-03-29
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 49; DB 7; I
100.0%; Pred. No. 9.6e-05;
      US-11-054-515-1719
US-11-054-515-1733
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                                                                                             ALIGNMENTS
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Best Local Similarity 100.
Matches 11; Conservative
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; ORGANISM: Homo sapiens
US-11-093-274-10
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LENGTH: 11
TYPE: PRT
ORGANISM: Homo sapiens
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Best Local Similarity
Matches 11; Conserva
      79.6
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US-11-093-274-11
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                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 49; DB 7; Length 107; 100.0%; Pred. No. 0.0012; Live 0; Mismatches 0; Indels
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Publication No. US20050266008A1

SEQUENCE INFORMATION:
APPLICANT: Graziano Robert
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Kempe, Thomas
APPLICANT: Kempe, Thomas
APPLICANT: Srinivasan, Mohan
ITILE OF INVENTION: IXTA-5 ANTIBODIES AND THEIR USES
ITILE REFERENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT FILING DATE: 2005-03-28
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR PRIOR DATE: 2004-03-29
NUMBER OF SEQ ID NOS: 41
SEQ ID NO 24
IENGTH: 107
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APPLICANT: Graziano, Robert
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cuter; Bromas
APPLICANT: Cutter, Beth
APPLICANT: Srinivasan, Mohan
TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFREENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT FILING DATE: 2005-03-28
                         CURRENT FILING DATE: 2005-01-20
PRIOR APPLICATION NUMBER: US 60/537,364
PRIOR FILING DATE: 2004-01-20
PRIOR FILING DATE: 2004-02-23
NUMBER OF SEQ ID NOS: 133
SOFWARE: PAtentin Ver. 2.1
SEQ ID NO 17
LENGTH: 107
TYPE: PRT
ORGANISM: Artificial Sequence
     CURRENT APPLICATION NUMBER: US/11/040,159
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 11, Conservative
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ORGANISM: Homo sapiens
US-11-093-274-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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Publication No. US2005026067941

GENERAL INFORMATION:
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Green, Larry L.
APPLICANT: Green, Larry L.
APPLICANT: APPLICANT: MOUGE
TILLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
TITLE OF INVENTION: REDUCING THE COURENT PULL OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
FILE REFERENCE: 2005-03-17
PRIOR APPLICATION NUMBER: 60/554,372

PRIOR APPLICATION NUMBER: 60/554,372

PRIOR FILING DATE: 2004-03-19

PRIOR FILING DATE: 2004-05-24

NUMBER OF SEQ ID NOS: 266

SEQ ID NO 138

LENGTH: 95
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FILE REFERENCE: 30219/US/3
CURRENT APPLICATION NUMBER: US/11/054,669
CURRENT FILING DATE: 2005-02-08
PRIOR APPLICATION NUMBER: US 10/194,975
PRIOR FILING DATE: 2002-07-12
PRIOR FILING DATE: 2001-07-12
PRIOR FILING DATE: 2010-07-12
SOFTWARE: PARENT IN VERBION 3:3
SEQ ID NOS: 124
SOFTWARE: PARENTIN VERBION 3:3
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Publication No. US200502555521
GENERAL INFORMATION:
APPLICANT: Luchrsen, Kenneth
APPLICANT: Luchrsen, Kenneth
APPLICANT: Balint, Robert F.
APPLICANT: Bebbington, Christopher R.
APPLICANT: Yarranton, Geoffrey T.
APPLICANT: Yarranton, Geoffrey T.
APPLICANT: KaloBios, Inc.
                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 11; Conservative
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ORGANISM: Homo sapiens
US-11-054-669-86
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ORGANISM: Homo sapiens
US-11-084-554-138
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US-11-049
US-11-054-515-1049
US-11-054-515-1049
Sequence 1049, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REPERENCE: PF5232A1
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT APPLICATION NUMBER: US/24,296
PRIOR PLING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 06/543,296
PRIOR PLING DATE: 2004-02-11
PRIOR PLING DATE: 2002-11-14
PRIOR PLING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 06/334,81
PRIOR PLING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 06/340,817
PRIOR APPLICATION NUMBER: 06/340,817
PRIOR APPLICATION NUMBER: 06/29,499
PRIOR APPLICATION NUMBER: 06/293,499
PRIOR PLING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 06/270,399
PRIOR PLING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/270,349
PRIOR PLING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/270,249
PRIOR APPLICATION NUMBER: 60/270,349
PRIOR PRIING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/270,349
PRIOR PLING DATE: 2001-03-21
PRIOR PRIOR APPLICATION NUMBER: 60/270,349
PRIOR PRIOR PRIEME DATE: 2001-03-21
PRIOR PRIOR PRIEME DATE: 2001-03-16
PRIOR PRIOR PRIEME DATE: 2001-03-16
PRIOR PRIOR PRIEME DATE: 2001-03-16
PRIOR PRIOR PRIEME DATE: 2001-03-16
PRIOR PRIEME OF SEQ ID NOS: 3247
PRIOR PRIEME DATE: 2001-03-17
PRIOR PRIEME DATE: 2001-03-17
PRIOR PRIEME OF SEQ ID NOS: 3247
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                                                                                                         100.0%; Score 49; DB 6; Length 128; 100.0%; Pred. No. 0.0014; Live 0; Mismatches 0; Indels
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Fublication No. US20050261480A1
GENERAL INFORMATION:
APPLICANT: FOOLE, Jefferson
TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
FILE REFERENCE: 30219/US/3
CURRENT APPLICATION NUMBER: 2005-02-08
FRIOR REPLICATION NUMBER: US 10/194,975
PRIOR FILING DATE: 2002-07-12
PRIOR FILING DATE: 2002-07-12
PRIOR FILING DATE: 2002-07-12
                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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; ORGANISM: Homo sapiens
US-10-721-763-31
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ORGANISM: Homo sapiens
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US-11-054-669-87
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US-11-093-274-23

$ Sequence 23, Application US/11093274

$ Edulication No. US20050266008A1

$ GENERAL INFORMATION:

$ APPLICANT: Gratiano, Robert

$ APPLICANT: Kempe, Thomas

$ APPLICANT: Cutter, Beth

$ CORRENT FILING DATE: 2005-03-29

$ NUMBER OF SEQ ID NOS: 41

$ APPLICANT: Cutter, Beth

$ APPLICANT: Cu
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SENERAL INPORMATION:
SENERAL INPORMATION:
SENERAL INPORMATION:
STILLE OF INVENTION: ANTI TRAIL-RANTIBODY
FILE REFRENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2001-05.
PRIOR APPLICATION NUMBER: JP2001-150213
PRIOR FILING DATE: 2001-06.
PRIOR APPLICATION NUMBER: JP2001-1489
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-011
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PATENTIN VET: 2.1
SEQ ID NO 31
TYPE: PRI
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR FILING DATE: 2004-03-29
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin version 3.2
SEQ ID NO 22
LENGTH: 108
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US-11-093-274-22
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LENGTH: 108
TYPE: PRT
ORGANISM: Homo sapiens
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Best Local Similarity
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US-10-721-763-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 108;
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100.0%; Pred. No. 0.0079;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 3, Application US/11120338
; Publication No. US20050271658A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: GREWAL, IQBAL S.
; APPLICANT: WALICKE, PATRICIA A.
; TITLE OF INVENTION: PREVENTING AUTOIMMUNE DISEASE; FILE REFERENCE: P2079R2
; CURRENT APPLICATION NUMBER: US/11/120,338
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/568,460
; PRIOR FILING DATE: 2004-05-05
; NUMBER OF SEQ ID NOS: 25
PRIOR APPLICATION NUMBER: GB 0230202.4
PRIOR PLILING DATE: 2002-12-27
PRIOR APPLICATION NUMBER: GB 115841.9
PRIOR PLILING DATE: 2001-06-28
PRIOR PLILING DATE: 2001-06-28
PRIOR PLILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: PCT/GB2004/002829
PRIOR PLILING DATE: 2004-01-08
PRIOR PLILING DATE: 2004-01-08
PRIOR PLILING DATE: 2003-12-24
PRIOR PLILING DATE: 2003-12-24
PRIOR PLILING DATE: 2003-11-28
PRIOR PLILING DATE: 2003-11-28
PRIOR PLILING DATE: 2003-11-28
PRIOR APPLICATION NUMBER: US 60/509,613
PRIOR PLILING DATE: 2003-10-08
NUMBER OF SEQ 1D NOS: 368
SOFTWARE: PATENTIN VETSION 3.3
SEQ 1D NO 233
LENGTH: 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: VK Sequence of Clone E5sd US-10-925-366A-233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) OTHER INFORMATION: sequence is synthesized US-11-120-338-3
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TITLE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REFERENCE: PH-1573-PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-721-763-19
i. Sequence 19, Application US/10721763
i. Publication No. US20050249729A1
i. GENERAL INFORMATION:
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TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 10, Conservative
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Best Local Similarity
Matches 9; Conserv
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Publication No. US20050271653A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Dewildt, Rudolph M.T.
APPLICANT: Benjamin, Woolven
APPLICANT: Benjamin, Woolven
APPLICANT: Benjamin, Woolven
APPLICANT: Benzan, Amrik
APPLICANT: Bastan, Amrik
APPLICANT: Brewis, Neil
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
FILE REPERENCE: 8039/2105
CURRENT APPLICATION NUMBER: US/10/925,366A
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Sequence 131, Application US/11084554

Sequence 131, Application US/20050260679A1

GENERAL INFORMATION:

APPLICANT: Relievann, Sirid-Ai

APPLICANT: Green, Larry L.

APPLICANT: Korver, Wouter

ITLE OF INVENTION: REDICTING THE RISK OF HUMAN ANTI-HUMAN

ITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION

FILE REFERENCE: ABGENIX.100A

CURRENT APPLICATION NUMBER: US/11/084,554

CURRENT FILING DATE: 2005-03-19

PRIOR APPLICATION NUMBER: 60/554,372

PRIOR APPLICATION NUMBER: 60/554,372

PRIOR APPLICATION NUMBER: 60/554,372

PRIOR APPLICATION NUMBER: 60/554,372

NUMBER OF SEQ ID NOS: 266

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 131
                                                                                                                                                                                                 91.8%; Score 45; DB 7; Length 95; 90.9%; Pred. No. 0.0068; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 45; DB 7; Length 95;
Pred. No. 0.0068;
0; Mismatches 1; Indels
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PRIOR APPLICATION NUMBER: US 10/744,774
PRIOR FILING DATE: 2003-12-23
PRIOR FILING DATE: 2003-12-23
PRIOR PELICATION NUMBER: PCT/GB2003/002804
PRIOR PELICATION NUMBER: PCT/GB2002/03014
PRIOR PILING DATE: 2003-06-20
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  NUMBER OF SEQ ID NOS: 124
SOFTWARE: PatentIn version 3.3
SEQ ID NO 87
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Best Local Similarity 90.5
Matches 10; Conservative
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                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-669-87
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Best Local Similarity
Matches 10; Conserva
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                                                                                                                                                                                                         89.8%; Score 44; DB 7; Length 95; 90.0%; Pred. No. 0.011;
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Pred. No. 0.011;
1; Mismatches 1; Indels
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US-11-054-669-55

i Sequence 55, Application US/11054669

publication No. US20050261480A1

GENERAL INFORMATION:

APPLICANT: FOOCE, JOEFERSON

TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES

FILE REFERENCE: 30219/US/3

CURRENT APPLICATION NUMBER: US/11/054,669

CURRENT FILING DATE: 2005-02-08

PRIOR FILING DATE: 2005-07-12

PRIOR FILING DATE: 2001-07-12

NUMBER OF SEQ ID NOS: 124

SOFTWARE: PALENTI VERION SI 124

SEQ ID NO 55

LENGTH: 95
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Publication No. US20050261480A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
FILE REFRENCE: 30219/US/3
CURRENT APPLICATION WUMBR: US/11/054,669
CURRENT PILING DATE: 2005-02-08
FRIOR APPLICATION WUMBER: US 10/194,975
FRIOR APPLICATION WUMBER: US 60/305,111
FRIOR FILING DATE: 2001-07-12
FRIOR FILING DATE: 2001-07-12
FRIOR FILING DATE: 2001-07-12
FRIOR FILING DATE: 2010-07-13
FRIOR FILING DATE: 2010-07-12
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Pred. No. 0.011;
1; Mismatches
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      SOFTWARE: Patentin version 3.3
SEQ ID NO 54
LENGTH: 95
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Best Local Similarity 81.8%;
Matches 9; Conservative
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90.0%;
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Matches 9; Conservative
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Best Local Similarity 90.0
Matches 9; Conservative
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US-11-054-669-55
                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
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Pred. No. 0.0096;
1; Mismatches 0; Indels
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; Sequence 54, Application US/11054669
; Publication No. US20050261480A1
; GENERAL INPORMATION:
; APPLICANT: FOCEC, JOEferson
; TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
; FILE REFERENCE: 30219/US/3
; CURRENT APPLICATION NUMBER: US/11/054,669
; CURRENT FILING DATE: 2005-02-08
; PRIOR FILING DATE: 2002-07-12
; PRIOR FILING DATE: 2001-07-12
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 124
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US-10-721-763-23
; Sequence 23, Application US/10721763
; Publication No. US20050249729A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; FILE REFERENCE: PH-1573-PCT
; CURRENT APPLICATION UNDBER: US/10/721,763
; CURRENT FILING DATE: 2003-11-26
; PRIOR PILING DATE: 2001-05-18
; PRIOR FILING DATE: 2001-05-18
; PRIOR FILING DATE: 2001-06-09
; PRIOR FILING DATE: 2001-08-09
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CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: 102001-150213
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-08-09
PRIOR FLING DATE: 2001-08-09
PRIOR FLING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
SPRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-0-11
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.1
SERGITH: 129
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Best Local Similarity 90...
Best Local Similarity 90...
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Best Local Similarity 90.9
Matches 10; Conservative
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ORGANISM: Homo sapiens
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US-11-084-554-143
US-11-084-554-143
Sequence 143, Application US/11084554
Publication No. US20050260679A1
SEQUENCE INFORMATION:
APPLICANT: Relemann, Sirid-Ai
APPLICANT: Korver, Wouter
ITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
ITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
FILE REFERENCE: ABGENIX.100A
CURRENT FILING DATE: 2005-03-17
PRIOR APPLICATION NUMBER: 60/554,372
PRIOR APPLICATION NUMBER: 60/554,372
PRIOR RILING DATE: 2004-05-24
NUMBER OF SEQ ID NOS: 266
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 143
LENGTH: 95
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                                    APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Green, Larry L.
APPLICANT: Korver, Wouter
TITLE OF INVENTION: RANTBODIES THROUGH V GENE MANIPULATION
TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
FILE REFERENCE: ABGENIX.100A
CURRENT APPLICATION NUMBER: 08/11/084,554
CURRENT PILING DATE: 2005-03-17
PRIOR APPLICATION NUMBER: 60/554,372
PRIOR PILING DATE: 2004-03-19
PRIOR PILING DATE: 2004-05-24
NUMBER OF SEQ ID NOS: 266
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 140
LENGTH: 95
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Pred. No. 0.011;
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APPLICANT: Green, Larry L.
APPLICANT: Korver, Wouter
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  Publication No. US20050260679A1
GENERAL INFORMATION:
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Matches 9; Conservative
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US-11-084-554-140
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ORGANISM: Homo sapiens
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US-11-084-554-146
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; Publication No. US2005026067941
; GENERAL INFORMATION:
    APPLICANT: Kellermann, Sirid-Ai
    APPLICANT: Kellermann, Sirid-Ai
    APPLICANT: Green, Larry L.
    APPLICANT: Green, Larry L.
    APPLICANT: Acrover, Wouter
    TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
    TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
    FILE REFERENCE: ABGENIX.100A
    CURRENT FILING DATE: 2005-03-17
    PRIOR APPLICATION NUMBER: 60/554,372
    PRIOR APPLICATION NUMBER: 60/554,372
    PRIOR PELLING DATE: 2004-03-19
    PRIOR FILING DATE: 2004-03-19
    PRIOR FILING DATE: 2004-03-19
    PRIOR FILING DATE: 2004-03-19
    PRIOR FILING DATE: 2004-05-24
    NUMBER OF SEQ ID NOS: 266
    SEQ ID NO 139
    LENGTH: 95
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81.8%; Pred. No. 0.011;
tive 1; Mismatches 1; Indels
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Pred. No. 0.011;
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Sequence 69, Application US/11054669
Sequence 69, Application US/11054669
Publication No. US200S0261480A1
GENERAL INFORMATION:
TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
FILE REFERENCE: 30219/US/3
CURRENT APPLICATION NUMBER: US/11/054,669
CURRENT FILING DATE: 2005-02-08
PRIOR FILING DATE: 2002-07-12
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 124
SEQ ID NO 69
LENGTH: 95
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US-11-084-554-140
; Sequence 140, Application US/11084554
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Best Local Similarity 81.8
Matches 9; Conservative
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Best Local Similarity 81.8
Matches 9; Conservative
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24 RASQGISSYLA 34
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24 RASQGISSYLA 34
1 RASOSVSSYLA 11
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24 RASQGISSYLA 34
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CORGANISM: Homo sapiens
US-11-054-669-69
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ORGANISM: Homo sapiens
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Sequence 234, Application US/10925366A
Publication No. US20050271663A1
GENERAL INFORMATION:
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APPLICANT: Benjamin, Woolven
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                                                             STRUCTURES WITH SPECIFICITY FOR THE RHESUS D ANTIGENS, THE DNA ENCODING THEM AND THE PROCESS FOR THEIR PREPARATION AND USE
TITLE OF INVENTION: POLYPEPTIDES CAPABLE OF FORMING ANTIGEN BINDING
TITLE OF INVENTION: STRUCTURES WITH SPECIFICITY FOR THE RHESUS D ANTIGE
TITLE OF INVENTION: THE DNA ENCODING THEM AND THE PROCESS FOR THEIR
TITLE OF INVENTION: PREPARATION AND USE
FILE REFERENCE: 6816/P63221US0
CURRENT PILING DATE: 2005-06-20
FRIOR APPLICATION NUMBER: US/11/155,775
CURRENT APPLICATION NUMBER: US/09/147,443
PRIOR FILING DATE: 1999-01-21
PRIOR FILING DATE: 1999-01-21
PRIOR FILING DATE: 1999-06-20
FRIOR PILING DATE: 1990-06-24
NUMBER OF SEQ ID NOS: 79
SOFTWARE: PALENTIN VOR: 2.1
SEQ ID NO 52
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Pred. No. 0.012;
1; Mismatches 0; Indels
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PRIOR APPLICATION NUMBER: US 10/744,774
PRIOR APPLICATION NUMBER: US 10/744,774
PRIOR APPLICATION NUMBER: PCT/GB2003/002804
PRIOR APPLICATION NUMBER: PCT/GB2003/002804
PRIOR PILING DATE: 2003-06-30
PRIOR PILING DATE: 2003-06-28
PRIOR PILING DATE: 2002-02-8
PRIOR PILING DATE: 2002-02-8
PRIOR PILING DATE: 2001-06-28
PRIOR PILING DATE: 2004-06-30
PRIOR PILING DATE: 2004-06-30
PRIOR PILING DATE: 2004-06-30
PRIOR PILING DATE: 2004-06-30
PRIOR PILING DATE: 2004-06-30
PRIOR PILING DATE: 2003-10-08
PRIOR PILING DATE: 2003-11-24
PRIOR PILING DATE: 2003-11-28
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US-11-144-248-42
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     ; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; FILE REPERRICE: ABGENIX.100A
; CURRENT APPLICATION NUMBER: US/11/084,554
; CURRENT FILING DATE: 2005-03-17
; PRIOR PAPLICATION NUMBER: 60/554,372
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR APPLICATION NUMBER: 60/574,661
; RIOR PILING DATE: 2004-03-19
; RIOR PILING DATE: 2004-05-24
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: PASESEQ for Windows Version 4.0
; SEQ ID NO 146
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Pred. No. 0.011;
1; Mismatches
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90.0%; Pred. No. 0.011;
tive 1; Mismatches
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US-11-155-775-52
US-11-155-775-52
Sequence 52, Application US/11155775
Publication No. US20050266013A1
GENERAL INFORMATION:
APPLICANT: Morell, Andreas
APPLICANT: Stadler, Beda
APPLICANT: Stadler, Beda
APPLICANT: Wisscher, Sylvia
APPLICANT: Wogel, Monique
APPLICANT: Negel, Monique
APPLICANT: Amstutz, Hanspeter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            89.8%;
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Best Local Similarity 90.0°
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Best Local Similarity 90.0
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-11-084-554-146
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APPLICANT: Ignatovich, Olga
APPLICANT: Dewildt, Rudolph M.T.
APPLICANT: Dewildt, Rudolph M.T.
APPLICANT: Benjamin, Woolven
APPLICANT: Benjamin, Woolven
APPLICANT: Grant, Steven
APPLICANT: Grant, Steven
APPLICANT: Benjamin, Marik
APPLICANT: Benjamin, Marik
APPLICANT: Brewis, Neil
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
CURRENT APPLICATION NUMBER: US/10/925,366A
CURRENT FILING DATE: 2003-12-23
PRIOR FILING DATE: 2003-06-30
PRIOR APPLICATION NUMBER: PCT/GB2002/03014
PRIOR FILING DATE: 2002-06-28
PRIOR FILING DATE: 2002-06-28
PRIOR FILING DATE: 2002-02-23
PRIOR FILING DATE: 2002-02-24
PRIOR FILING DATE: 2002-12-27
PRIOR FILING DATE: 2002-06-28
PRIOR FILING DATE: 2002-06-28
PRIOR FILING DATE: 2001-06-28
                                                                                                                                        APPLICANT: Brewis, Neil
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
FILE REFERENCE: 8039/2108.
CURRENT APPLICATION UMBER: US/10/925,366A
CURRENT FILING DATE: 2004-08-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 108;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 89.8%; Score 44; DB 6; 90.0%; Pred. No. 0.013;
                                                                                                                                                                                                                                                                                              CURRENT FILING DATE: 2004-08-24

PRIOR APPLICATION NUMBER: US 10/744,774

PRIOR PILING DATE: 2003-12-23

PRIOR PILING DATE: 2003-6-30

PRIOR APPLICATION NUMBER: PCT/GB2003/002804

PRIOR FILING DATE: 2003-06-30

PRIOR PILING DATE: 2002-06-8

PRIOR PILING DATE: 2002-12-7

PRIOR PILING DATE: 2002-12-7

PRIOR PILING DATE: 2002-12-7

PRIOR PILING DATE: 2004-0-8

PRIOR APPLICATION NUMBER: GB 115841.9

PRIOR APPLICATION NUMBER: GB 0230202,4

PRIOR APPLICATION NUMBER: CT/GB2004/002829

PRIOR PILING DATE: 2004-06-30

PRIOR APPLICATION NUMBER: US 60/535,076

PRIOR PILING DATE: 2004-01-08

PRIOR PILING DATE: 2003-12-24

PRIOR PILING DATE: 2003-12-24

PRIOR PILING DATE: 2003-11-28

PRIOR PILING DATE: 2003-10-08

NUMBER OF SEC ID NOS: 368

SEC ID NOS: 368

PRIOR PILING DATE: 2003-10-08

PRIOR PILING DATE: 2003-10-08

PRIOR PILING DATE: 2003-10-08
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ORGANISM: Artificial sequence
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Best Local Similarity 90.0
Matches 9; Conservative
                                        Steven
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Amrik
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PRIOR SERVING NO. US20050271663A1

PUBLICANT I UNRORWATION:

APPLICANT I GENERAL INCORMATION:

APPLICANT BENEVICE CANDER

APPLICANT: Benjamin, Woolven

FILES REPRERVE: 8039/2105

CURRENT FILING DATE: 2003-06-30

PRIOR APPLICANTION NUMBER: PCT/GB2002/03014

PRIOR APPLICANTION NUMBER: PCT/GB2002/03014

PRIOR APPLICANTION NUMBER: PCT/GB2004/002829

PRIOR PILING DATE: 2002-12-27

PRIOR PILING DATE: 2002-10-62

PRIOR PILING DATE: 2004-06-30

PRIOR FILING DATE: 2004-06-30

PRIOR FILING DATE: 2004-06-30

PRIOR FILING DATE: 2004-06-30

PRIOR FILING DATE: 2003-12-24

PRIOR PILING DATE: 2003-13-24

PRIOR PILING DATE: 2003-13-34

PRIOR PILING DATE: 2003-13-34

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                                                                                                                                89.8%; Score 44; DB 6; Length 107; 90.0%; Pred. No. 0.012; tive 1; Mismatches 0; Indels
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Pred. No. 0.013
1; Mismatches
; OTHER INFORMATION: Vk Sequence of Clone C3
US-10-925-366A-234
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APPLICANT: DeWildt, Rudolph M.T.
APPLICANT: Benjamin, Woolven
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                                                                                                                                Query Match 89.8
Best Local Similarity 90.0
Matches 9; Conservative
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Best Local Similarity
Matches 9; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Derived protein sequence of scFv US-11-127-677-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-11-127-677-61

US-11-127-677-61

Sequence 61, Application US/11127677

Publication No. US2005272107A1

GENERAL INFORMATION:

APPLICANT: Rabbitts, Terence H

APPLICANT: Tanaka, Terence H

APPLICANT: Tanaka, Terence H

TITLE OF INVENTION: Intracellular antibodies

FILE REFERENCE: 13396/462

CURRENT APPLICATION NUMBER: DCT/GB03/04942

PRIOR APPLICATION NUMBER: PCT/GB03/04942

PRIOR APPLICATION NUMBER: BCT/GB03/04942

PRIOR PILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2002-11-15

NUMBER OF SEQ ID NOS: 150

SOFTWARE: PatentIn version 3.1

SEQ ID NO 61

LENGTH: 108

TYDE: DENGTH: 108

TYDE: DENGTH: 108

TYDE: DENGTH: DATE: DENGTH: DATE: DENGTH: DATE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 44; DB 7;
Pred. No. 0.013;
1; Mismatches
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Publication No. US20050272107A1
GENERAL INFORMATION:
APPLICANT: Medical Research Council
APPLICANT: Rabbitte, Terence H
APPLICANT: Tanaka, Tomoyuki
TITLE OF INVENTION: Intracellular antibodies
FILE REFERENCE: 18396/2462
CURRENT APPLICATION NUMBER: US/11/127,677
CURRENT PILING DATE: 2005-05-12
                              CURRENT APPLICATION NUMBER: US/11/127,677
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: PCT/GB03/04942
PRIOR FILING DATE: 2003-11-14
PRIOR PLING DATE: 2002-11-15
NUMBER OF SEQ ID NOS: 150
SOFTWARE: PatentIn version 3.1
LENGTH: 108
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ORGANISM: Artificial sequence
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ORGANISM: Artificial sequence
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Best Local Similarity 90.0%;
Matches 9; Conservative
             FILE REFERENCE: 18396/2462
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Macical Research Council
APPLICANT: Rabbitts, Terence H
APPLICANT: Tanaka, Tomoyuki
TITLE OF INVENTION: Intracellular antibodies
FILE REFERENCE: 18396/2462
CURRENT APPLICATION WUMBER: US/11/127,677
CURRENT APPLICATION NUMBER: DCT/GB03/04942
PRIOR APPLICATION NUMBER: PCT/GB03/04942
PRIOR PLILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-15
NUMBER OF SEQ ID NOS: 150
SOFTWARE PARENTIN VERSION 3.1
PRIOR APPLICATION NUMBER: PCT/GB2004/002829
PRIOR FILING DATE: 2004-06-30
PRIOR PLING DATE: 2004-01-08
PRIOR PLING DATE: 2004-01-08
PRIOR PLING DATE: 2003-12-24
PRIOR APPLICATION NUMBER: PCT/GB2003/005646
PRIOR APPLICATION NUMBER: PCT/GB2003/005646
PRIOR APPLICATION NUMBER: GB 0327706.8
PRIOR FILING DATE: 2003-11-28
PRIOR FILING DATE: 2003-11-8
PRIOR FILING DATE: 2003-11-8
SPICATION NUMBER: US 60/509,613
PRIOR FILING DATE: 2003-10-08
NUMBER OF SEQ 1D NOS: 368
SOFTWARE: PARENTIN VERSION 3.3
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; Publication No. US20050272107A1
; PEDLICATION:
APPLICANT: Medical Research Council
APPLICANT: Medical Research Council
APPLICANT: Tanaka, Tomoyuki
; APPLICANT: Tanaka, Tomoyuki
; ITTLE OF INVENTION: Intracellular antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Vk Sequence of Clone K8
US-10-925-366A-232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28, Application US/11127677; Publication No. US20050272107A1; GENERAL INFORMATION:
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ORGANISM: Artificial sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 90.0°
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Best Local Similarity 90.0
Matches 9; Conservative
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US-11-127-677-36
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LENGTH: 108
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Sequence 1932, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT PILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR PILING DATE: 2004-02-11
PRIOR PILING DATE: 2004-06-18
PRIOR PILING DATE: 2004-06-18
PRIOR PILING DATE: 2002-11-14
PRIOR PILING DATE: 2002-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-16
PRIOR PELING DATE: 2001-12-19
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-05-15
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-26
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PRIOR PILING DATE: 2001-05-27
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i Sequence 2054, Application US/11054515

j Publication No. US20050255532A1

i GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REPERENCE: PP523P3

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT FILING DATE: 2005-02-10

PRIOR APPLICATION NUMBER: 60/580,347

PRIOR APPLICATION NUMBER: 10/293,418

PRIOR PILING DATE: 2004-06-18

PRIOR PILING DATE: 2004-11-14

PRIOR PILING DATE: 2001-11-14

PRIOR PILING DATE: 2001-11-19
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Pred. No. 0.031;
1; Mismatches
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Best Local Similarity 81.8%;
Matches 9; Conservative
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157 RASQGISSYLA 167
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156 RASQSISSYL 165
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US-11-054-515-1932
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Publication No. US208221663A1

Publication No. US208221663A1

Publication No. US208221663A1

Publication No. US2085221663A1

Publication No. US2085221663A1

APPLICANT: General No. US2085221663A1

APPLICANT: Dewilld, Rudolph M.T.

APPLICANT: Dewilld, Rudolph M.T.

APPLICANT: General, Amrik

APPLICANT: General, General, General

PRIOR APPLICANTION NUMBER: US-103

PRIOR APPLICANTION NUMBER: GENERAL

PRIOR APPLICANTION NUMBER: GENERAL

PRIOR APPLICANTION NUMBER: GENERAL

PRIOR APPLICANTION NUMBER: GENERAL

PRIOR PILING DATE: 2001-06-36

PRIOR PILING DATE: 2004-01-06

PRIOR PILING DATE: 2004-01-06

PRIOR PILING DATE: 2004-01-06

PRIOR PILING DATE: 2004-01-06

PRIOR PILING DATE: 2003-112-24

PRIOR PILING DATE: 2003-112-24

PRIOR PILING DATE: 2003-112-24

PRIOR PILING DATE: 2003-10-106

PRIOR PILING DATE: 2
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US-10-925-366A-219
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81.8%; Pred. No. 0.013;
tive 1; Mismatches 1; Indels
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89.8%; Score 44; DB 6; Length 240;
Best Local Similarity 90.0%; Pred. No. 0.03;
Matches 9; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Derived protein sequence of scFv US-11-127-677-29
PRIOR APPLICATION NUMBER: PCT/GB03/04942
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: GB 0226729.2
PRIOR FILING DATE: 2002-11-15
NUMBER OF SEQ ID NOS: 150
SOFTWARE: Patentin version 3.1
SEQ ID NO 29
LENGTH: 109
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial sequence
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Best Local Similarity 81.8
Matches 9; Conservative
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Search completed: December 14, 2005, 07:38:16 Job time : 4.41379 secs

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| TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
| TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
| TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
| CURRENT APPLICATION NUMBER: 60/543,296
| PRIOR PELICATION NUMBER: 60/580,347
| PRIOR PELING DATE: 2004-06-18
| PRIOR APPLICATION NUMBER: 60/331,469
| PRIOR PELING DATE: 2001-11-14
| PRIOR PELING DATE: 2001-11-16
| PRIOR PELING DATE: 2001-12-19
| PRIOR PILING DATE: 2001-12-19
| PRIOR FILING DATE: 2001-12-19
| PRIOR PILING DATE: 2001-06-15
| PRIOR PILING DATE: 2001-06-15
| PRIOR PELING DATE: 2001-06-15
| PRIOR PELING DATE: 2001-06-15
| PRIOR PELING DATE: 2001-03-16
| PRIOR PELING DATE: 2001-03-16
| PRIOR PILING DATE: 2000-10-17
| PRIOR PILING DATE: 2000-10-17
| PRIOR PILING DATE: 2000-10-13-17
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PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 2054
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Pred. No. 0.031;
1; Mismatches 1; Indels
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Best Local Similarity 81.8
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CORGANISM: Homo sapiens
US-11-054-515-2054
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US-11-054-515-919
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                                         ; Search time 11.9483 Seconds (without alignments) 88.581 Million cell updates/sec
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                                                                                                                        Total number of hits satisfying chosen parameters:
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R.Blaison, G.; Kuntz, J.L.; Pasquali, J.L.
Bur. J. Immunol. 21, 1221-1227, 1991
Ayfitle: Molecular analyais of V(kappa) III variable regions of polyclonal rheumatoid fact
A;Reference number: $16823; MUID:91243737; PMID:1903706
A;Accession: $16833
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C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: 516826; S34101
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Bur. J. Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid factal A;Reference number: $16823; MUID:91243737; PMID:1903706
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A;Molecule type: mRNA
A;Molecule type: mRNA
A;Molecule type: mRNA
A;Molecule type: nBNA
A;Molecule type: nBNA
A;Molecule type: nBNA
A;Cross-references: UNIPARC:UPI0000115E92; EMBL:X54824; NID:g33653; PIDN:CAA38593.1; PID
R;Magner, S.D.; Luzzatto, L.
R;Magner, S.D.; Luzzatto, L.
A;Magner, S.D.; Luzzatto, L.
A;Title: V-kappa gene segments rearranged in chronic lymphocytic leukemia are distributed
A;Reference number: S34076; MUID:93170387; PMID:8436174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ig kappa chain V-III region - human (fragment)
C;Species: Homo saptens (man)
C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: S16833; S16838
C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin F;7-81/Domain: immunoglobulin homology <IMM>
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C; Superfamily: immunoglobulin V region; immunoglobulin homology
C; Keywords: hereroterramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
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A;Residues: 1-86 <BLAA
A;Cross-references: UNIPARC:UPI0000176DA7; EMBL:X54831
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A;Molecule type: DNA
A;Residues: 1-86 <WAG>
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                                                                                                                       RESULT 1
1944102
19 kappa chain V region - human
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 07-May-1999
C;Accession: 834102
R;Wagner, S.D.; Luzzatto, L.
Eur. J. Immunol. 23, 391-397, 1993
A;Title: V-kappa gene segments rearranged in chronic lymphocytic leukemia are distribute
A;Accession: 834102
A;Accession: 834102
A;Accession: 834076; MUID:93170387; PMID:8436174
A;Accession: BAA
A;Residues: 1-78 kMGS
A;Cross-references: UNIPARC:UP10000176B23; EMBL:X67186
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 2
S16837
Ig kappa chain V region - human (fragment)
C; Species: Homo sapiens (man)
C; Species: Homo sapiens (man)
C; Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C; Accession: S16837
R; Blaison, G.; Kuntz, J.L.; Pasquall, J.L.
Eur. J. Immunol. 21, 1221-1227, 1991
Eur. J. Immunol. 21, 1221-1227, 1991
A; Reference number: S16823; MUID:91243737; PMID:1903706
A; Recession: S16837
A; Status: preliminary; translation not shown
A; Molecule type: mRNA
A; Residues: 1-86 xBLA>
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316830

Ig kappa chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 19-Teb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Date: 19-Teb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: 816830
R;Blaison, G.; Kuntz, J.L.; Pasquali, J.L.
R;Riaison, G.; Kuntz, J. 1221-1227, 1991
A;Title: Molecular analysis of V(kappa) III variable regions of polyclonal rheumatoid facta, Recession: $16820
A;Recession: $16820
A;Accession: $16820
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C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
P;7-81/Domain: immunoglobulin homology <IMM>
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             ALIGNMENTS
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Best Local Similarity
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Bubmitted to the EMBL Data Library, September 1993

A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood A;Reference number: 837501

A;Reference number: 837501

A;Accession: 837522

A;Status: preliminary

A;Molecule type: mRNA

A;Residues: 1-92 - KLES

A;Cross-references: UNIPARC:UPI0000116586; EMBL:Z26622; NID:g405686; PIDN:CAA81375.1; PI

C;Superfamily: immunoglobulin V region; immunoglobulin homology

C;Keywords: heterotetramer; immunoglobulin
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C;Spacies: Homo sapiens (man)
C;Spacies: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
C;Datesion: 33751
R;Klein, U; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A;Reference number: 337501
A;Reference number: 337501
A;Accession: 337516
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R;Zebedee, S.L.; Barbas III, C.F.; Hom, Y.L.; Caothien, R.H.; Graff, R.; DeGraw, J.; Pya Proc. Natl. Acad. Sci. U.S.A. 89, 3175-3179, 1992
A;Title: Human combinatorial antibody libraries to hepatitis B surface antigen. A;Reference number: A44151; MUID:92228746; PMID:1373487
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A;Note: nucleotide translation not given
C;Superfamily: immunoglobulin vegion; immunoglobulin homology
C;Reywords: heterotetramer; immunoglobulin
F;15-89/Domain: immunoglobulin homology <IMM>
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C.Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 21-Jan-2000
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Best Local Similarity 100.
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A;Molecule type: mRNA
A;Residues: 1-92 <KLE>
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S37506
Ig kappa chain V region (V-kappa 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 06-Jan.1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
C;Accession: 337506
R;Klein, U.; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood
A;Reference number: 837501
A;Recession: 337501
A;Accession: 337501
A;Accession: 327504
A;Accession: 192 ckLbs
A;Cross-references: UNIPARC:UPIO000116576; EMBL:Z26606; NID:g405653; PIDN:CAA81359.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
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Ig kappa chain V region (V-kappa 3) - human (fragment)
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Ig kappa chail (Sappa apple (Man)
Ig kappara, R.; Rajewaky, K.
Is kilain, U.; Kueppara, R.; Rajewaky, K.
Is ubmitted to the EMBL Data Library, September 1993
Is poscription: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood
Is Reference number: S37501
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Ig kappa chain V region (V-kappa 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
C;Accession: S37522
R;Klein, U.; Kueppers, R.; Rajewsky, K.
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100.0%; Pred. No. 0.0061;
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C; Keywords: heterotetramer; immunoglobulin F; 7-81/Domain: immunoglobulin homology < IMM>
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A;Cross-references: GDB:136266
A;Map position: 2p12-2p11
A;Introns: 1//1
B;Introns: 1//1
B;Int
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R;Nickerson, K.G.; Tao, M.H.; Chen, H.T.; Larrick, J.; Kabat, E.A.
Nickerson, K.G.; Tao, M.H.; Chen, H.T.; Larrick, J.; Kabat, E.A.
A;Title: Human and mouse monoclonal antibodies to blood group A substance, which are nean A;Reference number: A56701; MUID:95279371; PMID:7759488
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C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;36-110/Domain: immunoglobulin homology <IMM>
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R;Klein, R.; Jaenichen, R.; Zachau, H.G.
Bur. J. Immunol. 23, 3248-3211, 1993
A;Title: Expressed human immunoglobulin chi genes and their hypermutation.
A;Title: Expressed human immunoglobulin chi genes and their hypermutation.
A;Title: Expressed human immunoglobulin chi genes and their hypermutation.
A;Title: Expressed human immunoglobulin chi genes and their hypermutation.
A;Reference number: S40312; MUID:94080891; PMID:8258341
A;Recession: S40379
A;Reterence number: Less and their shown
A;Residues: 1-128 axis.
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A;Cross-references: UNIPARC:UPI0000116181; EMBL:X72489; NID:9441446; PIDN:CAAS1157.1; PIU
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C;Species: Homo sapiens (man)
C;Date: 19-Oct-1995 #sequence_revision 19-Oct-1995 #text_change 21-Jan-2000
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C;Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
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sequence was determined from the germline gene
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Pred. No. 0.0091;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F;36-110/Domain: immunoglobulin homology <IMM>F;44-54/Region: complementarity-determining 1
F;55-69/Region: framework 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        F;70-76/Region: complementarity-determining 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
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Best Local Similarity 100.0%;
Matches 11; Conservative 0
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Best Local Similarity 100.v.
These 11; Conservative
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A,Molecule type: mRNA
A,Residues: 1-128 <NIC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Accession: A56701
                                                 C, Genetics:
A, Gene: GDB: IGKV3
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KAHUVG

(Species: Homo saptens (man)
(Species: Homo saptens (man)
(Species: Homo saptens (man)
(Species: 17-Mar-1987 #sequence_revision 17-Mar-1987 #text_change 09-Jul-2004
(Species: 17-Mar-1987 #sequence_revision 17-Mar-1987 #text_change 09-Jul-2004
(Species: 17-Mar-1987 #sequence_revision 17-Mar-1987 #text_change 09-Jul-2004
(Species: 12, 9229-9236, 1884
A)Fitle: Immunoglobulin genes of different subgroups are interdigitated within the V-K lay, Reference number: A93549; MUID:85087932; PMID:6440122
A)Accession: A01900
A)Molecule type: DNA
A)Residues: 1-115 <PBC>
A)Residues: 1-115 <PBC>
A)Cross-references: UNIPROT:P04433; UNIPARC:UPI0000116D05; GB:X01668; GB:X02768; NID:933
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Cross-references: UNIPARC:UPI0000115F96; EMBL:X59705; NID:g34022; PIDN:CAA42226.1; PID
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;16-90/Domain: immunoglobulin homology <1MM>
                                                                                                                                                                                                                               Ig kappa chain V region - human (fragment)

[C.Species: Homo sapiens (man)

[C.Species: Homo sapiens (man)

[C.Species: Homo sapiens (man)

[C.Species: Homo sapiens

[C.Species: Mac. 175, 821-842, 1995


[C.Species: Mac. 175, 821-842, 1995

[C.Species: Mac. 175, 821-842, 1995]

[C.Spe
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C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Accession: S54905
R;Esposito, G; Traboni, C
submitted to the EMBL Data Library, November 1994
A;Description: Cloning and sequencing of cDNA coding for the variable domains of a PA;Reference number: S54905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ô
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100.0%; Pred. No. 0.0079;
ive 0; Mismatches 0;
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Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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    RASQSVSSYLA
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A;Residues: 1-114 <ESP>
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A;Status: preliminary
A;Molecule type: DNA
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A; Status: preliminary
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S23628
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S54905
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R;Suzuki, H.; Takemura, H.; Suzuki, M.; Sekine, Y.; Kashiwagi, H.
Biochem. Biophys. Res. Commun. 232, 101-106, 1997
Biochem. Biophys. Res. Commun. 232, 101-106, 1997
A;Title: Molecular cloning of anti-ss-A/Ro 60-kDa peptide fab fragments from infiltratin A;Reference number: PC4279; MUID:97236289; PMID:9125110
A;Accession: PC4282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C:Comment: This antibody is commonly found in systemic autoimmune diseases such as Sjoeg C;Superfamily: immunoglobulin V region; immunoglobulin homology F;14-88/Domain: immunoglobulin homology <IMM>
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K;Paterson, G.; Wilson, G.; Kennedy, P.G.E.; Willison, H.J.

submitted to the EMBL Data Library, June 1995

A;Description: Analysis of anti-GM1 ganglioside IgM antibodies cloned from motor neuropa

A;Reference number: S57408
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                                                                                                                         Ig kappa chain (anti-SS-A/Ro 60K peptide) (E-42 and E-56) - human (fragment)
                                                                                                                                                     C;Species: Homo sapiens (man)
C;Date: 07-Jul-1997 #sequence_revision 29-Aug-1997 #text_change 21-Jan-2000
C;Accession: PC4282; PC4284
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C;Species: Homo sapiens (man)
C;Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C;Species: Homo sapiens (man)
C;Date: 10-Oct-1995 #sequence_revision 17-Nov-1995 #text_change 21-Jan-2000
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R,Klein, R.; Jaenichen, R.; Zachau, H.G.
Bur. J. Immunol. 23, 3248-3271, 1991
A;Title: Expressed human immunoglobulin chi genes and their hypermutation.
A;Reference number: S40312; MUID:94080891; PMID:8258341
A;Accession: S40344
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90.9%; Pred. No. 0.032;
live 1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Molecule type: protein
A;Residues: 1-106 <SU2>
A;Cross-references: UNIPARC:UP10000176E92
                                                                                                                                                                                                                                                                                                                                                                                      A;Molecule type: protein
A;Residues: 1-106 <SUZ>
A;Cross-references: UNIPARC:UP10000176592
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Best Local Similarity 90.9
Matches 10; Conservative
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A;Molecule type: mRNA
A;Residues: 1-107 <PAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A:Accession: PC4284
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840163
19 kappa chain - human
C; Species: Homo sapiens (man)
C; Species: Homo sapiens (man)
C; Species: Homo sapiens
C; Date: 06-Mar-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
C; Accession: 840363
R; Klein, R.; Jaenichen, R.; Zachau, H.G.
Eur. J. Immunol. 23, 3248-3271, 1993
A; Title: Expressed human immunoglobulin chi genes and their hypermutation.
A; Reference number: 840312; MUID:94080891; PMID:8258341
A; Accession: 840363
A; Scatus: preliminary; translation not shown
A; Molecule type: mRNA
A; Residues: 1-129 < KLE>
A; Residues: 1-129 < KLE>
A; Csuperfamily: immunoglobulin V region; immunoglobulin homology
C; Superfamily: immunoglobulin homology < IMM>
F; 35-109/Domain: immunoglobulin homology < IMM>
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C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 21-Jan-2000
C;Accession: PLO106
R;Silberstein, L.E.; Litwin, S.; Carmack, C.E.
B;Silberstein, L.E.; Litwin, S.; Carmack, C.E.
A;Title: Relationship of variable region genes expressed by a human B cell lymphoma secr
A;Reference number: PLO106; MUID:89235583; PMID:2541221
A;Accession: PLO106.
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A; Residues: 1-144 <SIL>
A; Cross-references: UNIPARC; UPI00001767A2
A; Cross-references: UNIPARC; UPI00001767A2
C; Superfamily: immunoglobulin V region; immunoglobulin homology
C; Keywords: heterotetramer; immunoglobulin
F; 1-20/Domain: signal sequence #status predicted <SIG>F; 21-115/Domain: V region <VRE>
F; 36-110/Domain: immunoglobulin homology <IMM>
F; 44-54/Region: complementarity-determining 1
F; 70-76/Region: complementarity-determining 2
F; 109-115/Region: complementarity-determining 3
F; 116-127/Domain: J region <JRG>
F; 128-144/Domain: C region (fragment) <CRE>
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                                                                                                                         Length 128
C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin F;36-110/Domain: immunoglobulin homology <IMM>
                                                                                        100.0%; Score 49; DB 2; Length 12
100.0%; Pred. No. 0.0092;
ive 0; Mismatches 0; Indels
                                                                                                                Query Match
Best Local Similarity 100.
Matches 11; Conservative
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Matches 11; Conservative
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Matches 11; Conservative
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C;Keywords: heterotetramer; immunoglobulin F;16-90/Domain: immunoglobulin homology <IMM>F;23-88/Disulfide bonds: #status predicted
                                                                                   91.8%;
81.8%;
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Best Local Similarity 90.9%;
Matches 10; Conservative
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Best Local Similarity 90.9
Matches 10; Conservative
                                                                                                                            9; Conservative
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44 RASQGVSSYLA 54
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                                                                                                       Best Local Similarity
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A; Residues: 1-129 < WA2>
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                                                                                     Query Match
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                                                                                                                            Matches
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                                        A,Residues: 1-125 <KLE>
A,Residues: 1-25 <KLE>
A,Cross-references: UNIPARC:UPI000011615E; EMBL:X72454; NID:g441376; PIDN:CAA51122.1; PI
C,Superfamily: immunoglobulin V region; immunoglobulin homology
C;Reywords: heterotetramer; immunoglobulin
F;36-110/Domain: immunoglobulin homology <IMM>
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A;Cross-references: GDB:136264
A;Cross-references: GDB:136264
A;Cross-references: GDB:136264
C;Cosplex: an immunoglobulin heterotetramer subunit consists of two identical light (kap hain disulfide bonds; in some cases, such as IgA and IgM, the subunits associate into la C;Superfamily: immunoglobulin V region; immunoglobulin homology
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                                                                                                                                                                                                                                                                                                                                                     RESULT 21
S16825
S16825
S16825
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S16825
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Accession: S16825
R;Blatison, G; Kuntz, J.L.; Pasquali, J.L.
Eur. J. Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid A;Reference number: S16823; MUID:91243737; PMID:1903706
A;Status: preliminar: Kansalation not shown
A;Molecule type: MRNA
A;Residues: Lef < kalax
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C,Superfanily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heteroterramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                   Score 46; DB 2; Length 125;
Pred. No. 0.037;
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                                                                                                                                                                                                              0; Indels
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A,Note: Lhe C region of this chain has the Inv (3) marker
R,Steiner, V.; Chang, J.Y.
PEBS Lett: 222, 6-10, 1987
                                                                                                                                                                                                                1; Mismatches
      A;Status: preliminary; translation not shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C, Comment: This is a Bence Jones protein.
                                                                                                                                                                     93.9%;
90.9%;
                                                                                                                                                                                                              10; Conservative
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R;Pech, M.; Smola, H.; Pohlenz, H.D.; Straubinger, B.; Gerl, R.; Zachau, H.G. J. Mol. Biol. 183, 291-299, 1985
A;Title: A large section of the gene locus encoding human immunoglobulin variable regions A;Reference number: S11697; MUID:85264787; PMID:3927006
A;Accession: S11697
A;Status: preliminary; nucleic acid sequence not shown; translation not shown A;Molecule type: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPARC:UDI0000115E41; EMBL:X17264; NID:g37898; PIDN:CAA35168.1; PID A;Note: the nucleotide sequence was submitted to the EMBL Data Library, December 1989
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                                                                                                                                                                                                                                                                                                                                                                                                                 Ig kappa chain precursor V-III region - human
C;Species: Homo sapiens (man)
C;Date: 25-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: S11697
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       Length 108;
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Score 45; DB 1;
Pred. No. 0.052;
2; Mismatches
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Pred. No. 0.055;
0; Mismatches
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90.9%; Pred. No. 0.062;
tive 0; Mismatches
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C;Accession: S34084
R;Wagner, S.D.; Luzzatto, L.
Rrimunol. 23, 391-397, 1993
A;Title: V-kappa gene segments rearranged in chronic lymphocytic leukemia are distribute
A;Reference number: S34076; MUID:93170387; PMID:8436174
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C.Jate: 2.0-Feb-1995 #sequence_revision 25-Oct-1996 #text_change 21-Jan-2000
C.Jate: 2.0-Feb-1995 #sequence_revision 25-Oct-1996 #text_change 21-Jan-2000
C.Jaccession: 834079; 821523
R.Hagner, S.D.; Luzzatto, L.
R.Hagner, S.D.; Luzzatto, L.
A.Title: V-kappa gene sequents rearranged in chronic lymphocytic leukemia are distribute
A.Reference number: 834076; MUID:93170387; PMID:8436174
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C;Species: Homo sapiens (man)
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 21-Jan-2000
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A;Cross-references: UNIPROT:Q96SA9; UNIPARC:UPI0000176D9E; EMBL:X67169
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Koywords: heterotetramer; immunoglobulin
F;9-83/Domain: immunoglobulin homology <1Mm>
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C;Superfanily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;9-83/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                            Length 86;
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                                                                                                                                                                     89.8%; Score 44; DB 2;
90.0%; Pred. No. 0.067;
cive 1; Mismatches
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Pred. No. 0.068;
1; Mismatches
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Pred. No. 0.068;
1; Mismatches
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S34083
Ig kappa chain V region - human (fragment)
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90.0%;
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Best Local Similarity 81.8
Matches 9; Conservative
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Matches 9; Conservative
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RASQSISSYL 26
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                                                                                                                                                                     Query Match
Best Local Similarity
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A;Molecule type: DNA
A;Residues: 1-87 <WAG>
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A; Residues: 1-87 < WA2>
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S16812
Ig Wappa chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: S16812
R;Blaison, G: Kuntz, J.L.; Pasquali, J.L.
R;Blaison, G: Kuntz, J.L.; Pasquali, J.L.
R;Haison, G: Kuntz, J.L.; Pasquali, J.L.
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid factor, A;Accession: S16812
A;Accession: S16812
A;Accession: S16812
A;Accession: S16823; MUID:91243737; PMID:1903706
A;Accession: S1682
A;Accession: S1682
A;Accession: UNIPARC:UPI0000176D68; EMBL:X54830
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
                                                                                                                       S34090.
Ig kappa chain V region - human
[S,34090]
Ig kappa chain V region - human
[S,59eciese: Homo asplians (man)
[S,59eciese: Homo asplians (man)
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534086
Gispedies: Homo sapiens (man)
Cj.Species: Homo sapiens (man)
Cj.Species: Homo sapiens (man)
Cj.Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
Cj.Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
Cj.Accession: Say 086
R. Wagner, S.D.; Luzzatto, L.
Eur. J. Immunol. 23, 391-397, 1993
Ajritle: V. kappa gene segments rearranged in chronic lymphocytic leukemia are distribute
Ajrecession: S34086
Ajrecession: S34086
Ajrecession: S34086
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Ajrecession: Preliminary
Ajrecession: Preliminary
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Ajrecession: 1-86 < WAGS>
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Pred. No. 0.064;
1; Mismatches 1; Indels
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Pred. No. 0.067;
0; Mismatches
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90.98;
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Best Local Similarity 81.8
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15 RASQGISSYLA 25
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44 RASQSVGSYLA
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Best Local Similarity
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A;Cross-references: UNIPARC:UP10000116051; EMBL:X66045; NID:933322; PIDN:CAA46844.1; PID C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           R,Wagner, S.D.; Luzzatto, L.
Eur. J. Immunol. 23, 391-397, 1993
A,Title: V.Kappa gene segments rearranged in chronic lymphocytic leukemia are distributed
A,Reference number: S34076; WUID:93170387; PMID:8436174
A,Rocession: S34077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Molecule type: DNA
A;Residues: 1-88 <WA2>
A;Residues: 1-88 <WA2>
A;Coss-references: UNIPARC:UPI000011604A; EMBL:X66037; NID:g33306; PIDN:CAA46836.1; PID
C;Superfemily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;9-83/Domain: immunoglobulin homology <IMM>
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Bur. J. Immunol. 23, 391-397, 1993
A;Title: V-kappa gene segments rearranged in chronic lymphocytic leukemia are distributec
A;Reference number: S34076; MUID:93170387; PMID:8436174
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C;Date: 20-Feb-1995 #sequence_revision 25-Oct-1996 #text_change 21-Jan-2000
C;Accession: S34077; S21520
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C;Date: 02-Dec-1993 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
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81.8%; Pred. No. 0.068;
ive 1; Mismatches 1; Indels
                                                                                                               Length 88;
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Pred. No. 0.068;
1; Mismatches
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Pred. No. 0.068;
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                                                                                                               89.8%;
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81.8%;
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Conservative
                                                                                                                                                                     9; Conservative
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17 RASQGISSYLA 27
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Best Local Similarity
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Best Local Similarity
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Best Local Similarity
Matches 9; Conserv
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AsMolecule type: DNA
AsResidues: 1-88 <WAG>
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C[Species: Homo sapiens (man)
C[Jate: 20-Feb-1995 #sequence revision 25-Oct-1996 #text_change 21-Jan-2000
C[JACCession: S34078; S34085; S21522
R[Wagner, S.D.; Duzzatto, L.
R[Wagner, S.D.; Juzzatto, L.
A] Title: V-kappa gene segments rearranged in chronic lymphocytic leukemia are distribute
A] Reference number: S34076; MUID:93170387; PMID:8436174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: UNIPARC:UPI000116052; EMBL:X66046; NID:g33308; PIDN:CAA46845.1; PID A;Experimental source: patient 10
A;Experimental source: patient 10
A;Accession: S34085
A;Atatus: nucleic acid sequence not shown; translation not shown
A;Molecule type: DNA
A;Residues: 1-88 <WAG>
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531528
Ig kappa chain V region - human
C; Species: Homo sapiens (man)
C; Species: Homo sapiens (man)
C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 23-Jul-1999
C; Accession: S1528
R; Wagner, S.D.; Luzatto, L.
submitted to the EMBL Data Library, May 1992
A; Description: VK genes rearranged in chronic lymphocytic leukaemia do not show somatic A; Reference number: S21528
A; Accession: S21528
A; A; Residues: 1° 88 «WAG>
C;Species: Homo sapiens (man)
C;Date: 02-Dec-1993 #sequence_revision 10-Nov-1995 #text_change 09-Jul-2004
C;Accession: S34083
R;Wagner, S.D.; Luzzatto, L.
Eur. J. Immunol. 23, 391-397, 1993
A;Title: V-kappa gene segments rearranged in chronic lymphocytic leukemia are distribute
A;Reference number: S34076; MUID:93170387; PMID:8436174
                                                                                                                                                                                                                                                     A;Molecule type: DNA
A;Residues: 1-87 <WAGS
A;Croser references: UNIPROT:Q96SA9; UNIPROT:Q9UL/77; UNIPARC:UPI0000176D9F; EMBL:X66045
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
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A;Experimental source: patient 12
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, July 1992
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;9-83/Domain: immunoglobulin homology <IMM>
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90.0%; Pred. No. 0.068;
tive 1; Mismatches 0; Indels
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Matches 9; Conservative
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Matches 9; Conservative
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RASQSISSYL 26
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A;Molecule type: DNA
A;Residues: 1-88 <WA2>
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S21522
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C;Accession: S44122
R;Hawkins, R.E.; Zhu, D.; Ovecka, M.; Winter, G.; Hamblin, T.J.; Stevenson, F.K.
Bubmitted to the EMBL Data Library, March 1994
A;Description: Idiotypic vaccination against human B-cell lymphoma: rescue of variable r
A;Reference number: S44105
A;Accession: S44122
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C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;16-90/Domain: immunoglobulin homology <IMM>
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R;McIntosh, R.S.; Tandon, N.; Metcalfe, R:A.; Weetman, A.P.
Rubmitted to the EMBL Data Library, June 1994
A;Description: Cloning and analysis of IgM anti-thyroglobulin autoantibodies from patien. A;Reference number: S47181
                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Accession: S34007
R;Mariette, X.; Tsapis, A.; Brouet, J.C.
R;Mariette, X.; Tsapis, A.; Brouet, J.C.
A;Title: Nucleotidic sequence analysis of the variable domains of four human monoclonal A;Reference number: S34001; MUID:93209281; PMID:7681398
                                                                                                                                                                                                                                                                                                                                                                 C;Species: Homo sapiens (man)
C;Date: 02-Dec-1993 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
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C,Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 21-Jan-2000
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C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 24-May-2001
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Pred. No. 0.084;
1; Mismatches
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90.0%; Pred. No. 0.084;
tive 1; Mismatches
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Best Local Similarity 90...
Best Local 9; Conservative
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Best Local Similarity 81.8
Matches 9; Conservative
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RASQSISSYL 33
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A;Residues: 1-108 <HAW>
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537521
[9 Kappa chain V region (V-kappa 3) - human (fragment)
[9 Kappa chain V region (V-kappa 3) - human (fragment)
[9 Kappa chain V region (Wan)
[9 Kappa chain V region V 
C;Date: 20-Feb-1995 #sequence_revision 25-Oct-1996 #text_change 21-Jan-2000
C;Accession: S34080; S21524
R;Wagner, S.D.; Luzzatto, L.
Eur. J. Immunol. 23, 391-397, 1993
A;Title: V-kappa gene segments rearranged in chronic lymphocytic leukemia are distribute
A;Reference number: S34076; MUD:93170387; PMID:8436174
A;Status: presion: S34080
A;Status: presions A;Status: Presiduexy
A;Molecule type: DNA
A;Residues: 1-88 <WA2>
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Ig lambda chain V region (clone alpha-CEA4-8A) - human (fragment)

C;Species Homo sapiens (man)

C;Species Homo sapiens (man)

C;Date: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 21-Jan-2000

C;Accession: S36264

R;Griffiths, A.D.; Malmqvist, M.; Marks, J.D.; Bye, J.M.; Embleton, M.J.; McCafferty, J. EMBO J. 12, 725-734, 1993

A;Title: Human anti-self antibodies with high specificity from phage display libraries.

A;Reference number: S36256; MUID:93178448; PMID:7679990

A;Accession: S36264

A;Status; preliminary; nucleic acid sequence not shown
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A;Residues: 1-107 <GRL>
A;Residues: 1-107 <GRL>
A;Residues: 1-107 <GRL>
A;Cross-references: UNIPARC:UPIO000118DF4; EMBL:Z18845; NID:g33426; PIDN:CAA79297.1; PIC C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotectramer; immunoglobulin F:16-90/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPARC:UF1000011604D; EMBL:X66040; NID:g33314; PIDN:CAA46839.1; PID (S. Superferantly: immunoglobulin v region; immunoglobulin homology C;Keywords: hererotetramer; immunoglobulin (S;Keywords: hererotetramer; immunoglobulin (F;9-83/Domain: immunoglobulin homology <IMM>
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A;Molecule type: mRNA
A;Rolecule type: mRNA
C;Cross-references: UNIPARC:UPIO000116587; EMBL:Z26623; NID:g405684; PIDN:CAA81376.1;
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
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Pred. No. 0.068;
1; Mismatches
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Best Local Similarity 90.0
Matches 9; Conservative
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Matches 9; Conservative
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RASQGISSYLA 27
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A;Status: preliminary
A;Molecule type: mRNA
A;Rolecule type: mRNA
A;Residues: 1-108 <MCI>
A;Cross-references: UNIPARC:UPIO0001161E5; EMBL:X79786; NID:g506422; PIDN:CAA56182.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;16-90/Domain: immunoglobulin homology <IMM>
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89.8%; Score 44; DB 2; Length 108;
Best Local Similarity 90.0%; Pred. No. 0.084;
Matches 9; Conservative 1; Mismatches 0; Indels
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Search completed: December 14, 2005, 07:31:51 Job time : 11.9483 secs

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Pech M., Zachau H.G.;
"Immunoglobulin genes of different subgroups are interdigitated within
the VK locus.";
                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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Framework-1.
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                                                                                                                          13-AUG-1987 (Rel. 05, Created)
13-AUG-1987 (Rel. 05, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
18 Asppa chain V-III region VG precursor (Fragment).
Homo sapiens (Human).
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HSSP; P01625; 1EEQ.
SMR; P04433; 21-115.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0005823; F:antigen binding; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003196; Ig-v.
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21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
IIG kappa chain V-I region Hau.
Homo sapiens (Human).
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                                                                                115 AA.
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les 11; Conserv
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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Eukaryota, Metazoa, Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                          marker.
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                                             Watanabe S., Hilschmann N., "The primary structure of a monoclonal kappa-type immunoglobulin I chain of subgroup I (Bence-Jones Protein Hau): subdivision within
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01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Anti-streptococcal/anti-myosin immunoglobulin kappa light chain
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                                                                                                                                                           HODDE-Seyler's Z. Physiol. Chem. 351:1291-1295(1970).
-!- MISCELLANEOUS: The C region of this chain has the INV (3)
-!- MISCELLANEOUS: This is a Bence-Jones protein.
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3D-structure; Bence-Jones protein; Direct protein sequencing;
Immunoglobulin domain; Immunoglobulin V region.
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GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
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2; Mismatches
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                    MEDLINE=71032830; PubMed=4097974;
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J. Immunol. 161:2020-2031(1998)
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107
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PROTEIN SEQUENCE.
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Young D.C.;
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Homo sapiens (Human).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                           Wagner S.D., Luzzatto L.;
"V kappa gene segments rearranged in chronic lymphocytic leukemia are
distributed over a large portion of the V kappa locus and do not show
                                                                                                                                                                                                                                                              A Blaison G., Kuntz J.L., Pasquali J.L.;

Blaison G., Kuntz J.L., Pasquali J.L.;

"Molecular analysis of V kappa III variable regions of polyclonal
T rheumatoid factors during rheumatoid arthritis.";

Eur. J. Immunol. 21:1221-1227(1991).

E BMBL; U96396; AA66785.1; -; mRNA.

P PIR; B49047; B49047.

R PIR; S18940; S18640.

R PIR; S31977; S31977.

R PIR; S34089; S34086.

R PSSP; POLGO7; 1BWW.

R SMR; Q96SA9; 1-107.

R InterPro; IPRO0710; Ig-like.

R InterPro; IPRO0710; Ig-like.

R PROSTIE; PS50835; IG_LIKE; 1.
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                     B
          Victor K.D., Pascual V., Williams C.L., Lennon V.A., Capra J.D.; "Human monoclonal striational autoantibodies isolated from thymic lymphocytes of patients with myasthenia gravis use VH and VL gene segments associated with the autoimmune repertoire."; Eur. J. Immunol. 22:2231-2236 (1992).
                                                                                                                                                                               Manheimer-Lory A., Katz J.B., Pillinger M., Ghossein C., Smith A.,
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MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
                                                                                                                                                                                                 "Molecular characteristics of antibodies bearing an anti-DNA-associated idiotype.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 44; DB 2; Length 107;
Pred. No. 0.26;
1; Mismatches 0; Indels
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                                                                                                                                     Eur. J. Immunol. 23:391-397(1993).
                                                                                                                                                                                                               sociated idiotype.";
Exp. Med. 174:1639-1652(1991).
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Best Local Similarity 90.0
Local 9; Conservative
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OSUL77;
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                                                                         NUCLEOTIDE SEQUENCE.
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                                                                                                                              somatic mutation.";
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  PubMed=1516616;
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TISSUE-Lung;

MEDLINE-2388257, PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDLINE-2388257, PubMed=12477932; DOI=10.1073/pnas.242603899;

Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Uddin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Richards S.W. Worley K.C., Hale S., Garcia A.N., Gay L.J., Hulyk S.W.,

Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Glabbs R.A.,

Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Glabbs R.A.,

Rahey J., Helton B., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
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Bukaryota, Merazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Buarchontoglires, Primates, Catarrhini, Hominidae,
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"V kappa gene segments rearranged in chronic lymphocytic leukemia are distributed over a large portion of the V kappa locus and do not show somatic mutation.";
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                                                                                                                                                                                                Victor K.D., Pascual V., Williams C.L., Lennon V.A., Capra J.D.; "Human monoclonal striational autoantibodies isolated from thymic: "Human matches of patients with myasthenia gravis use VH and VL gene segments associated with the autoimmune repertoire."; Eur. J. Immunol. 22:2231-2236(1992).
'Myosin-reactive autoantibodies in rheumatic carditis and normal
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90.0%; Pred. No. 0.26;
iive 1; Mismatches (
                                                                   in. Immunol. Immunopathol. 87:184-192(1998)
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PIR; B49047; B49047.
PIR; S34083; S34083.
HSSP, POLO77; 1BWW.
SMR; Q9UL77; 1-108.
Ensembl; ENSG0000163245; Homo sapiens.
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InterPro, IPR003596; Ig_v.
SMART; SM00406; IGv; 1.
PR0SITE; PS50815; IG_LIKE; 1.
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and mouse cDNA sequences.";
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                              Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.W.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
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MEDLINE-22388257; PubMed-12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               89.8%; Score 44; DB 2; Length 234;
81.8%; Pred. No. 0.63;
ive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Lung;
NIH MGC Project;
Submitted (AUG-2013) to the EMBL/GenBank/DDBJ databases.
EMBL, BCO56255; AAH56256.1; -; mRNA.
HSSP; P01834; 1HEZ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         234 AA; 25674 MW; 1A2C259BAB51BC0F CRC64;
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Last annotation update)
                                                                                                                                                                                                                                                 and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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InterPro; IPR007110; Ig-1ike.
InterPro; IPR003597; Ig-21.
InterPro; IPR003597; Ig-41.
InterPro; IPR003596; Ig-4.
FRAM; PF07654; CI-set; I.
SMART; SMO406; IG-11.
PROSITE; PS00209; IG-IKE; 2.
PROSITE; PS00209; IG-IKE; UNKNOWN_I.
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QEPIH7;

GAUL-2004 (TERMBLEEL 27, C.

OS-JUL-2004 (TERMBLEEL 27, L.

OS-JUL-2004 (TERMBLEEL 27, L.

IGKC Protein

Name=IGKC;
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nes 9; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the BMID outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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MEDLINE=81098966; PubMed=6779204;
Bentley D.L., Rabbitts T.H.;
Human immunoglobulin variable region genes -- DNA sequences of two V kappa genes and a pseudogene.";
Nature 288:730-733(1980).
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                                                                                                                                                                                                                                                                                  InterPro; IRR003599; Ig.
InterPro; IRR003109; Ig-like.
InterPro; IRR0031006; Ig-like.
InterPro; IRR003006; Ig-MrC.
InterPro; IRR003596; Ig-WHC.
InterPro; IRR00409; Ig-WhC.
InterPro; IRR00400; IG-Set; I.
SWART; SW00400; IG-I:
SWART; SW00406; IG-I:
ROSITE; PSSO035; IG-LIKE; 2.
PROSITE; PSSO039; IG-LIKE; 2.
PROSITE; PSSO039; IG-LIKE; 2.
PROSITE; PSSO039; IG-WHC; UNKNOWN I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 236;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                               NIH MGC Project;
Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
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21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Ig kappa chain V-I region HK102 precursor (Fragment).
Homo sapiens (Human)
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 44; DB 2;
Pred. No. 0.63;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; J00245; AAA59087.1; -; Genomic_DNA.
EMBL; Z00001; CAA77292.1; -; Genomic_DNA.
PIR; A01882; KHU12.
HSSP; P01607; 1BWW.
SMR; P01602; 23-117.
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HGNC; HGNC:5741; IGKV1-5.
                                                                                                                                                                                                   HSSP; PO1607; 1AR2.
SMR; Q6PIH7; 23-236.
Ensembl; ENSG0000163245; Homo sapiens.
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                                                                                                                                                                        EMBL; BC034141; AAH34141.1; -; mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          89.8%;
81.8%;
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                                                         NUCLEOTIDE SEQUENCE
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Best Local Similarity
Matches 9; Conserv
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EMBL; X00965; CAA25477.1; ALT_TERM; Genomic_DNA
                                                                 NCBI_TaxID=9606;
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ID KV1W HUMAN
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NON TER
SEQUENCE
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
Young D.C.;
                                        Ig kappa chain V-I region HK102.
Framework-1.
Complementarity-determining-1.
                                                                  Framework-2.
Complementarity-determining-2.
                                                                                           Complementarity-determining-3.
By similarity.
                                                                                                                                                                                                                                                              01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
                                                                                                                                      Score 43; DB 1; Length 117;
Pred. No. 0.47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 41; DB 2; Length 107;
Pred. No. 1.2;
2; Mismatches 0; Indels
                                                                                                                                                         0; Indels
                Immunoglobulin domain; Immunoglobulin V region; Signal. SIGNAL.
                                                                                                                      12768 MW; ADIDF3A40AF1A49B CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Last sequence update)
                                                                                                                                                                                                                                                                                                                                                                                                       Clin. Immunol. Immunopathol. 87:184-192 (1998)
EMBL; AF035033; AAD56269.1; -; mRNA.
HSSP; P01607; 1BWW.
SMR; Q9UL81; 1-107.
InterPro; IPR007110; Ig-like.
InterPro; IPR007110; Ig-like.
                                                                                                                                                                                                                                      107 AA
                                                                                                                                                         2; Mismatches
                                                                                     Framework-3.
                                                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                                                                        Created)
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SM00406; IGV; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE; PS50835; IG_LIKE; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         83.7%;
80.0%;
                                                                                                                                        87.8%;
                                                                                                                                              81.8%;
                                                                                                                                                                                                                                                       01-MAY-2000 (TrEMBLrel. 13,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q9UL70 HUMAN PRELIMINARY;
Q9UL70;
                                                                                                                                                                                                                                      Q9UL81_HUMAN PRELIMINARY;
                                                                                                                                               Local Similarity 81.6
nes 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                   46 RASQSISSWLA 56
                                                                                                                                                                          1 RASQSVSSYLA 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SMART; SM00406; IGV;
                                                                                                                     117 AA;
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8; Conserv
                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                          (Fragment).
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Best Local S
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                                                                                                                     SEQUENCE
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                                        CHAIN
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Q9UL70 HU
ID Q9UL
AC Q9UL
DT 01-M
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                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Manheimer-Lory A., Katz J.B., Pillinger M., Ghossein C., Smith A.,
                                                                                                                                                                                                                                                                                                                                                                                                   "Myosin-reactive autoantibodies in rheumatic carditis and normal
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                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
Young D.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Diamond B.;
"Molecular characteristics of antibodies bearing an anti-DNA-associated idiotype.";
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 108;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 41; DB 2;
Pred. No. 1.2;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-AUG-1987 (Rel. 05, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Ig kappa chain V-I region Walker precursor.
Immo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Clin. Immunol. Immunopathol. 87:184-192(1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       J. Exp. Med. 174:1639-1652(1991).
EMBL; APO15044; AAD56280.1; -; mRNA.
PIR; PHO863; PHO863.
HSSP; POL607; 1BWW.
SWR; Q9UL70; 1-108.
INCEYPO; 1PR007110; Ig-like.
INCEYPO; 1PR003596; Ig-v.
SMART; SM00406; IGv; 1.
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13-AUG-1987 (Rel. 05, Last seq
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24 RASQGISNYLA 34
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NUCLEOTIDE SEQUENCE.
                                                                                     sapiens (Human)
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Ensembl. FNG5000163245; Homo sapiens.

InterPro; IPR007110; Ig-like.
InterPro; IPR003106; Ig-Mc.
InterPro; IPR003596; Ig-Mc.
InterPro; IPR003596; Ig-Mrc.
InterPro; IPR003596; Ig-Mc.
Pro; IPR00454; Cl-set; I.
PROSITE; PS50835; IG-LIKE; 2.
PROSITE; PS50835; IG-LIKE; 2.
PROSITE; PS00290; IG-MC; UNRNOWN 1.
Hypothetical processin; Immunoglobulin domain.
SEQUENCE 236 AA; 25702 MW; 7FBFE4ED23084BC6 CRC64;
                                                        ted (WAR-2001) to the EMBL/GenBank/DDBJ databases.
BC005332; AAH05332.1; -; mRNA.
P01834; 1HEZ.
TISSUE-Skeletal Muscle;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KV1D HUMAN P01596;
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KV1D HUMAN
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X Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

A Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

A Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

A Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

A Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rahaks J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield W. Schein J.E., Jones S.J.M., Marra M.A.;

Rodersation and initial analysis of more than 15,000 full-length human
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Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                Ig kappa chain V-I region Walker. Framework-1. Complementarity-determining-1.
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Pred. No. 1.5;
2; Mismatches 0; Indels
                                                                                      GO; GO: 0005576; C: extracellular region; NAS. GO; GO: 0001823; F: antigen binding; NAS. GO; GO: 0000555; P: immune response; NAS. GO; GO: 0006955; P: immune response; NAS. InterPro; IPR007110; Ig-like. InterPro; IPR007110; Ig-like. InterPro; IPR003596; Ig-v. PR087IF; PS50835; IG_LIKE; 1. Immunoglobulin domain; Immunoglobulin domain; Immunoglobulin V region; Signal. SIGNAL
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Last sequence update)
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By similarity.
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                                 HSSP, P01607; 1BWW.
SMR; P04431; 23-129.
Ensembl; ENSG0000163245; Homo sapiens.
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Q723Y4;
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Matches 8; Conservative
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129 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
                                                         Gaps
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GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0001853; F:antigen binding; NAS.
GO; GO:0008955; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
SWART; SM00406; IGv; 1.
PROSITE; PS50815; IG ILKE; 1.
Direct protein sequencing; Glycoprotein; Immunoglobulin V region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!- MISCELLANEOUS: The C region of this chain has the INV (1,2)
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0
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HSSP; P80362; 1WTL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=75075135; PubMed=4216454;
Milstein C.P., Deverson E.V.;
"Primary structure of kappa light chain from a human myeloma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               81.6%; Score 40; DB 1; Length 107;
  Length 236;
                                                         1; Indels
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Score 41; DB 2;
Pred. No. 2.9;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
1g kappa chain V-I region CAR.
                                                                                                                                                                                                                                                                                                 107 AA
                                                                                                                                                                                                                                                                                                 PRT;
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     83.7%;
                                                            8; Conservative
                                                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                              1 RASOSVSSYLA 11
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46 RASQDISNYLA 56
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        Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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PROSITE; PS50835; IG_LIKE; 1.
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es 10; Conserv
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PROTEIN SEQUENCE.
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                                      NCBI TaxID=9606;
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SEQUENCE
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Homo sapiens (Human).
Bukaryota; Metazoa, Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wagner S.D., Luzzatto L.,
"V kappa gene segments rearranged in chronic lymphocytic leukemia are
distributed over a large portion of the V kappa locus and do not show
                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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01-JAN'-1988 (Rel. 06, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
10-papa chain V-III region IARC/BL41 precursor.
Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531; Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M., Young D.C.;
                                                                                                                                                                                                                             01-WAY-2000 (TrEMBLrel. 13, Created)
01-WAY-2000 (TrEMBLrel. 13, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          81.6%; Score 40; DB 2; Length 108; 90.9%; Pred. No. 2; ive 0; Mismatches 1; Indels
                      Indels
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                      Mismatches
72.7%; Pred. No. 2;
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ENEL, J. Immunol. 23:391-397(1993).
ENEL, AF035031; AAD56267.1; -; MRNA.
PIR, B30609; B30609.
PIR, C30609; C30609.
PIR, S34098; S34099.
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PROSITE, PS50835; IG_LIKE; 1.
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Q9UL83;
                    8; Conservative
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Matches 10, Conservative
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                                                      1 RASOSVSSYLA 11
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Best Local Similarity
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KV3K HUMAN
ID FV3K HUMAN
AC P06311;
DT 01-JAN-1988
DT 01-JAN-1988
DT 10-MAY-2005
DE IG KARPA cha
CS EUKARYOCGS;
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Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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-1- MISCELLANEOUS: The C region of this chain has the INV (3) marker.
-1- MISCELLANEOUS: This chain was isolated from a Waldenstrom's
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NUCLECTIDE SEQUENCE.

BEDLINE-SEG041822, PubMed=2997711;

Klobeck H.G., Meindl A., Combriato G., Solomon A., Zachau H.G.;

"Human immunoglobulin kappa light chain genes of subgroups II and
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21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
19 kappa chain VI region OU.
Homo sapiens (Human)
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PIR; A01899; K3HU41.
HSSP, P01625; 1EQ.
SMR; P06311; 21-128.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0006853; F:antigen binding; NAS.
InterPro; IPR00110; Ig-11ke.
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                                                                                                                                                              Nucleic Acids Res. 13:6499-6513(1985).
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InterPro; IPR003599; Ig.
                                       PIR, S23638, S23638.
PIR, S30521, S30521.
PIR, S34090, S34090.
HSSP, P01607, IBWW.
SMR, Q9UL79, 1-108.
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           somatic mutation.";
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Best Local Similarity
Matches 8; Conserv
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                   This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Huber C., Klobeck H.G., Zachau H.G.;
"Ongoing V kappa-J kappa recombination after formation of a productive V kappa-J kappa coding joint."; V kappa-J kappa coding joint."; Eur. J. Immunol. 22:1561-1565 (1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (Human).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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"V kappa gene segments rearranged in chronic lymphocytic leukemia are
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE-98277139; PubMed-9614934; DOI-10.1006/clin.1998.4531; Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M., Young D.C.;
                                                                                                                                                                                                                  Complementarity-determining-1. Framework-2.
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Framework-4.
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01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
                                                                                                                                                                                                                                                                                                                           79.6%; Score 39; DB 1; Length 108; 70.0%; Pred. No. 3.3; ive 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                       11779 MW; 8283D4A24105827E CRC64;
                                                                                                                                                             SMART; SM00406; IGv; 1.—
PROSTIE; PS50835; IG LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          In. Immunol. Immunopathol. 87:184-192(1998)
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                                                                                           HESSP, POIGO7, 1BWW.

GO; GO:0005576; C:antracellular region; NAS.

GO; GO:0003823; F:antrigen binding; NAS.

GO; GO:0006955; P:immune response; NAS.

InterPro; IPR007110; Ig-like.

InterPro; IPR003596; Ig_V.
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Q9UL79;
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24 RASZTISSYL 33
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PubMed=8436174;
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108 AA;
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macroglobulin
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A Klausnes-Krimary H-Cells;

A Klausnes Krimary H-Cells;

A Klausner R.D., Colling F.S., Wagner L.H., Derge J.G.,

A Klausner R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,

A Altschul S.P., Zeeberg B., Buetow K.H., Schaefer C.P., Bhat N.K.,

A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.P., Bhat N.K.,

A Altschul S.F., Jozdan H., Moore T., Max S.I., Wang J., Habeh F.,

B Altschenko L., Marushna K., Farmer A.A., Rubin G.M., Hong L.,

A Stapleton M., Soares M.B., Bonaldo M.F., Carninci P., Prange C.,

B And S.S., Loquellano N.A., Perers G.J., Abramson R.D., Mullahy S.J.,

B Robard S.S., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

A Richards S., Worley K.C., Hale S., Garcia A.M., Rodrigues S., Sanchez A.,

Rhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

B Hakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

B Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

B Butterfield Y.S. N., Krzywinski M.I., Skalska U., Smailus D.E.,

B Cheneration and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
distributed over a large portion of the V kappa locus and do not show
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 39; DB 2; Length 108; Pred. No. 3.3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BCO73764; AAH13764.1; -; mRNA.
SMR; OGGMX8; 24-235.
Ensembl; ENSG0000163245; Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11787 MW; DB5845F19724FB4E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and mouse cDNA sequences."; orco. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                                     Eur. J. Immunol. 23:391-397(1993).
EMBL; AF035035; AAD56271.1; -; mRNA
                                                                                                                                                                                                                                                                                                                InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          79.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8 HUMAN
QGGMX8 HUMAN PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8; Conservative
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RASOSVSSSYLA 39
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SMR; P01620; 1-109.
                                                                                                                                                                                                                                                                                                                                                           [1] TPROTEIN SEQUENCE.
                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
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01-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Fragment).
                                                                                                                           KV3B_HUMAN
P01620:
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NON TER
                       28
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                                                                                                          KV3B HUMAN
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Most kappa immunoglobulin mRNA in human lymphocytes is homologous to a small family of germ-line V genes.";
Nature 307:77-80(1984).
-!- MISCELLANEOUS: This gene was isolated from the NG9/9.1 hybridoma.
                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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PROSITE; PS50835; IG LIKE; 1.
Hybridoma; Immunoglobulin domain; Immunoglobulin V region; Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1;
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Pred. No. 3.9;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                 79.6%; Score 39; DB 2; Length 236; 72.7%; Pred. No. 7.9; ive 2; Mismatches 1; Indels
             InterPro; IPR003597; Ig cl.
InterPro; IPR003597; Ig cl.
InterPro; IPR003006; Ig_MHC.
InterPro; IPR003596; Ig_v.
Pfam; PF0764; IG-set; I.
SMART; SM00409; IG; 2.
SMART; SM00409; IG; 1.
SMART; SM00409; IG; 2.
SMART; SM00409; IG cl. 1.
SMART; SM00409; IG LIKE; 2.
PROSITE; PS00290; IG_MHC; UNKNOWN I.
SRQUENCE 236 AA; Z5707 MW; 4FCBE14B6559EFC9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10729 MW; 5D9AF363CC52632F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
11-MXY-2005 (Rel. 47, Last annotation update)
19 kappa chain V-III region NG9 precursor (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PIR; A01894; K3HUNG.
HSSP; P01625; 1EEQ.
SMR; P01621; 6-99.
Ensembl; ENSG0000169769; Homo sapiens.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
INCERPO; IPR007110; IG-like.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE.
MEDLINE=84093600; PubMed=6419127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     78.6%;
91.7%;
                                                                                                                                                                                                                                                                    Local Similarity 72.7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
                                                                                                                                                                                                                                                                                                                                     1 RASQSVSSYLA 11
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bentley D.L.;
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P01621;
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NON TER
SEQUENCE
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RASQSV-SSYLA 11

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                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        group.";
Biochemistry 20:5816-5822(1981).
-!- MISCELLANEOUS: This chain was isolated from an IgM with anti-gamma
globulin activity.
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                     Andrews D.W., Capra J.D.,; "Amino acid sequence of the variable regions of light chains from two idiotypically cross-reactive human IgM anti-gamma-globulins of the Wa
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01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin kappa chain variable region
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GO; GO: 0005576; C: extracellular region; NAS. GO; GO: 0003823; F: antigen binding; NAS. GO; GO: 0009855; P: immune response; NAS. InterPro; IPR003596; Ig-like.
InterPro; IPR003596; Ig-V. SRART; SM0406; IGV; 1.

PROSITE; PSSO835; IG_LIKE; 1.

Direct protein sequencing; Immunoglobulin domain; Immunoglobulin V region.
                                                                     21-JUL-1986 (Rel. 01, Last Bequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
IIG kappa chain V-III region SIE.
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          78.6%; Score 38.5; DE
91.7%; Pred. No. 4.3;
:ive 0; Mismatches
109 AA
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PRT;
                                                                                                                                                                                                                                                                                                                                               MEDLINE=82046598; PubMed=6794615;
                                      21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last Beqn
10-MAY-2005 (Rel. 47, Last anno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q9UL86_HUMAN PRELIMINARY;
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nes 11; Conservative
STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24 RASÓSVSNSYLA 35
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01-NOV-1990 (Rel. 16, Last sequence update)
01-NOV-1990 (Rel. 16, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
1g kappa chain V-III region HAH precursor.
1g kappa chain W-III region HAH precursor.
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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MEDLINE=88171307; PubWed=3127527; DOI=10.1084/jem.167.3.840;
Ripps T.J., Tomhave E., Chen P.P., Carson D.A.; ballon gene action of the chain variable region gene expressed in chronic lymphocytic leukemia with little or no somatic mutation. Implications for etiology and immunotherapy."; mutation. Implications for etiology and immunotherapy."; J. Exp. Med. 16:1840-852 (1988).
-I- DISEASE: The protein is one of the surface immunoglobulin M autoantibodies expressed in patients with chronic lymphocytic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             78.6%; Score 38.5; DB 2; Length 109; 91.7%; Pred. No. 4.3;
somatic selection of natural autoantibodies.";
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                              J. Exp. Med. 175:983-991(1992).
EMBL; AF035036; AAD56272.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
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Matches 11; Conservative
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                                                                                                 PIR) A30601, A30601.
PIR, B30601, B30601.
PIR, B30601, B30601.
PIR, C30601, C30601.
PIR, C30601, C30601.
PIR, D30601, D30601.
PIR, D30601, D30601.
PIR, P30607, P30607.
PIR, P30608, D30608.
PIR, P30608, D30608.
PIR, P30608, P30608.
PIR, P30868, P33988.
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S34096.
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SMR; Q9UL78; 1-109
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Evidence for
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P18135;
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KV3L_HUMAN
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Homo sapiens (Human).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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"V kappa gene segments rearranged in chronic lymphocytic leukemia are
distributed over a large portion of the V kappa locus and do not show
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                                 NUCLECTIDE SEQUENCE.
MEDLINE-98277139; PubMed-9614934; DOI-10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 38.5; DB 2; Length 109; Pred. No. 4.3; 0; Mismatches 0; Indels
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11928 MW; 243325F72C7DAC83 CRC64;
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PubMed=1552291;
Martin T., Duffy S.F., Carson D.A., Kipps T.J.;
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InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
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Eur. J. Immunol. 23:391-397(1993).
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PROSITE; PS50835; IG_LIKE; 1.
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91.7%;
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Q9UL78;
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SEQUENCE
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use as long as its content is in no way modified and this statement is not
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Mammalia, Butheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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-i- DISEASE: The protein is one of the surface immunoglobulin M autoantibodies expressed in patients with chronic lymphocytic
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                                                                                                                                                                                            GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR007110; IQ-like.
InterPro; IPR003596; IQ-v.
SWART; SM00406; IGv; 1.
Immunoglobulin domain; Immunoglobulin V region; Signal.
SIGNAL
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01-NOV-1990 (Rel. 16, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
RAppa chain V-III region HIC precursor.
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HSSP; P01625; IEBQ.
SMR; P18136; 21-129.
Ensembl; ENSG0000169769; Homo sapiens.
GO; GO:0005576; C:extracellular region; NAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        129 AA
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                                                                                                                                                                             sapiens.
                                                                                                        HSSP, P01625; 1EEQ.
SMR; P18135; 21-129.
Ensembl; ENSG0000169769; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      78.6%;
91.7%;
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44 RASQSVSSSYLA 55
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KYJM HUMAN

AC P18136;
DT 01-NOV-1990
DT 01-NOV-1990
DT 10-MAY-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Buarchontoglires; Glires; Lagomorpha; Leporidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE-81273646; PubMed-6410392; Max E.E.; Dreher K.L., Emorine L., Kindt T.J., Max E.E.; Dreher K.L., Emorine L., Kindt T.J., Max E.E.; Dreher K.L., Emorine L., Kindt T.J., Max E.E.; Chain of ballotype."; Proc. Natl. Acad. Sci. U.S.A. 80:4489-4493(1983).

-!- MISCELLANEOUS: This clone was derived from the rabbit-mouse hybridoma 12F2; the chain produced is a monoclonal antibody against streptococcal group C vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ï
                                                                                                                                                                     Ig kappa chain V-III region HIC. Pramework-1.
                                                                                                                                                                                                                                                                                                                                                                                                                       78.6%; Score 38.5; DB 1; Length 129; 91.7%; Pred. No. 5.1; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                               Complementarity-determining-1.
                                                                                                                                                                                                                                                        Complementarity-determining-2.
                                                                                                                                                                                                                                                                                               Complementarity-determining-3.
JK1 segment.
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GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR00710; Ig-like.
InterPro; IPR003596; Ig-v.
SMART; SM00406; IGv; I.
PR051TE; PS50355; IG LiKE; 1.
Immunoglobulin domain; Immunoglobulin V region; Signal.
                                                                                                                                                                                                                                                                                                                                                                                  7395528EA2BB74D6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
19 kappa chain V region 12F2 precursor (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               117 AA
                                                                                                                                                                                                                                                                                                                                         By similarity
                                                                                                                                                                                                                                                                                Framework-3.
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                                                                                                                                                                                                                                                                                                                                                                                  14071 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oryctolagus cuniculus (Rabbit)
                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 91.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 RASOSV-SSYLA 11
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129 AA;
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Query Match
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KV3F_HUMAN
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                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Sordariomycetes incertae sedis; Magnaporthaceae; Magnaporthe.
NCBI_TaxID=242507;
 Complementarity-determining-2
                      Complementarity-determining-3. Pramework-4.
                                                                                                                  Score 38; DB 1; Length 117;
Pred. No. 5.9;
4; Mismatches 0; Indels
                                                                                           12288 MW; E24A7582389E4439 CRC64;
                                                                                                                                                                                                                                                                                                            Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "The genome sequence of Magnaporthe grisea.";
                                                    By similarity
                                                                                                                                                                                                                                                                                                Created)
                                                                                                                      77.6%;
                                                                                                                                                                                                                                                                                             13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31,
                                                                                                                                                                                                                                                                    OSIPW3 MAGGR PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                    Hypothetical protein.
ORFNames=MG00363.4;
Magnaporthe grisea 70-15.
                                                                                                                                                Conservative
                                                                                                                                                                           1 RASOSVSSYLA 11
                                                                                                                                                                                       30 QASQSISTYLS 40
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106
116
86
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                                                                                                                                Local Similarity
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"The amino acid sequence of the variable regions of the light chains from two idiotypically cross reactive IgM anti-gamma globulins.";
Ann. Immunol. (Paris) 127C:261-271(1976).
-!- MISCELLANEOUS: This chain was isolated from an IgM with anti-gamma globulin activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                       STRAIN=70-15;
Zhu H., Blackmon B.;
Submitted (CC-2003) to the EMBL/GenBank/DDBJ databases.
Submitted (CC-2003) to the EMBL/GenBank/DDBJ databases.
-I- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.
EMBL; AACU01001412; EAA48705.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 1401 AA; 154218 WW; 989FID08F2F60016 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indele
                                                                                        STRAIN=70-15;
Dean R., Mitchell T., Brown D., Pan H., Thon M.;
Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11922 MW; 62821DDC6A8ABA86 CRC64;
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PROSITE; PS50835; IG_LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Mappa chain V-III region POM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 38; DB 2
Pred. No. 98;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              109 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                By similarity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=76276460; PubMed=60899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 77.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8; Conservative
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109 AA;
                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
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                                                               NUCLEOTIDE SEQUENCE
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SMR; P01624; 1-109.
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DB 1; Length 109;

76.5%; Score 37.5;

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P01644;
-21-JUL-1986 (Rel. 01, Created)
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                                                                                STANDARD;
  24 RASQSINTWLA 34
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56
88
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35
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89
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108
AA;
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use as long as its content is in no way modified and this statement is not
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                                                                                                                                                                                                                       Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                         Biochemistry 9:3188-3196(1970).
-1- MISCELLANEOUS: The C region of this chain has the INV (3) marker.
-1- MISCELLANEOUS: This chain was isolated from a myeloma protein.
                 Gaps
                                                                                                                                                                                                                                                                                              MEDLINE=71064023; PubMed=5489770;
Gottlieb P.D., Cunningham B.A., Rutishauser U., Edelman G.M.;
"The covalent structure of a human gamma G-immunoglobulin. VI. Amino
acid sequence of the light chain.";
Biochemistry 9:3155-3161(1970).
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"The covalent structure of a human gamma G-immunoglobulin. X.
Intrachain disulfide bonds.";
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                 Indels
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Immunoglobulin V region. Framework-1.
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(Rel. 01, Last sequence update)
(Rel. 47, Last annotation update)
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SMART; SM00406; IGV; 1.
PROSITE; PS50835; IG_LIKE; 1.
                                                                                                                                 108 AA
  Pred. No. 7;
1; Mismatches
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                                                                                                                                PRT;
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                                                                                                                                                                                            kappa chain V-I region EU.
83.3%;
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                10; Conservative
                                                      24 RASQSISNSYLA 35
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                                                                                                                                STANDARD;
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SMR; P01598; 1-107.
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21-JUL-1986 (
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ID KV1F HUMAN
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Dwulet F.E., O'Connor T.P., Benson M.D.;
"Polymorphism in a kappa I primary (AL) amyloid protein (BAN).";
Mol. Immunol. 23:73-78(1986).
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Framework-4.
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Amyloid; Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region.
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Pred. No. 9;
2; Mismatches
                                                                               13-AUG-1987 (Rel. 05, Created)
13-AUG-1987 (Rel. 05, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
10 Rappa chain V-I region BAN
Homo sapiens (Human).
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PRT;
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"Complete amino acid sequence of light chain variable regions derived
from five monoclonal anti-p-azophenylarsonate antibodies differing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus (Mouse).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires; Rodentia, Sciurognathi,
Muroidea, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                            PROSITE; PSS6835; IG LIKE; 1.
3D-structure; Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region.
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                                                                                                                                                                                                                                                               Complementarity-determining-1.
Framework-2.
                                                                                                                                                                                                                                                                                                  Complementarity-determining-2
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Ensembl; ENSMUSG0000029991; Mus musculus.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig-v.
SMART; SM00406; IGV; 1.9-v.
SMART; SK00815; IG-IKE; 1.
Direct protein sequencing; Immunoglobulin domain; Immunoglobulin V region.
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21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
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                                                                                                                                                  InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
SMART; SM00406; IGv; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                  75.5%;
                                                                                                  PDB; 1A14; X-ray; L=5-102.
SMR; P01645; 1-108.
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24 RASQDISNYL 33
                                                                                                                                                                                                                                                                                                                                                                                                   108 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
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P01646;
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SEQUENCE
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KV5M MOUSE
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                                                                                                                                                                                                                 This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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                                                                                                  Siegelman M., Capra J.D.;
"Complete amino acid sequence of light chain variable regions derived from five monoclonal anti-p-azophenylarsonate antibodies differing with respect to a crossreactive idiotype.";
Proc. Natl. Acad. Sci. U.S.A. 78:7679-7683(1981).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Siegelman M., Capra J.D.;
"Complete amino acid sequence of light chain variable regions derived
"Complete amino acid sequence of light chain variable regions derived
from five monoclonal anti-p-azophenylarsonate antibodies differing
with respect to a crossreactive idiotype.";
Proc. Natl. Acad. Sci. U.S.A. 78:7679-7683 (1981).
-1- MISCELLANEOUS: Anti-arsonate hybridoma protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Complementarity-determining-1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Complementarity-determining-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 37; DB 1; Length 108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11910 MW; A554642C63EFF597 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                  SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polos.;
21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last Bequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 108 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   By similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Mismatches
                                                                                                                                                                                                                                                                                                                                 HSSP, POIS94, LJV5.
SMR; POI644, 1-108.
SMRsembl; BNSWGSG000029991; Mus musculus.
InterPro; IPR007110; IG-like.
InterPro; IPR003596; IG_V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Framework-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. 9;
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Ig kappa chain V-V region HP 93G7.
Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=A/J;
MEDLINE=82150934; PubMed=6801658;
                                                                     STRAIN=A/J;
MEDLINE-82150934; Pubmed-6801658;
   Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Muroidea; Muridae; Murinae; Mus.
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24 RASQDISNYL 33
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Best Local Similarity
7; Conserve
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35
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108
AA;
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                                                      PROTEIN SEQUENCE
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REGION REGION

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DT 21-JUL. DT 21-JUL.
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OC STRAIN
RN HEPLIN
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RY F.Compl
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RT F.Compl

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STRAIN=PCC 7421;
MEDLINE=2297040; PubMed=14621292;
MRDLINE=2297040; PubMed=14621292;
Makamura Y., Kaneko T., Sato S., Mimuro M., Miyashita H., Tsuchiya T.,
Sasamoto S., Watenabe A., Kawashima K., Kishida Y., Kiyokawa C.,
Kohara M., Matsumoto M., Matsuno A., Nakazaki N., Shimpo S.,
Takeuchi C., Yamada M., Tabata S.;
"Complete genome structure of Gloeobacter violaceus PCC 7421, a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                             Gloeobacter violacēus.
Bacteria; Cyanobacteria; Gloeobacteria; Gloeobacterales; Gloeobacter.
NCBI_TaxID=33072;
                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Amino acid sequence of the variable region of M149 mouse myeloma
light chain: comparison with the nucleotide sequence of K2 and K3
clones.";
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                     Indels
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Pfam; PF00593; TonB dep Rec; 1.
Complete proteome; Membrane; Outer membrane; TonB box.
SEQUENCE 916 AA; 100215 WW; 0798AIFD997488A3 CRC64;
                                                                                                                                                                                                                             Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Kappa chain V-V region MOPC 149.
Mus musculus (Mouse)
                                                                                                                                                                           916 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0019867; C:outer membrane; IEA.
GO; GO:0004872; F:receptor activity; IEA.
GO; GO:0005215; F:transporter activity; IEA.
GO; GO:0006810; P:transport; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     108 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA Res. 10:137-145(2003).
EMBL; BA000045; BAC92237.1; -; Genomic_DNA.
HSSP; P06129; 1UJW.
     ed. No. 11;
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
     81.8%; Pred. No.
                                                                                                                                                                                                           Created)
                                                                                                                                                                           PRT;
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                                                                                                                                                                                                         (TrEMBLrel. 26, C
(TrEMBLrel. 26, I
(TrEMBLrel. 26, I
                                                                                                                                                                                                                                                                              OrderedLocusNames=glr4296;
                                                                                                                                                                        Q7NDD9 GLOVI PRELIMINARY;
Q7NDD9;
                     Conservative
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                                                     1 RASOSVSSYLA 11
                                                                                    44 RASOSVSNNLA 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                508 SOSVNSYLA 516
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Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
es 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           [1]
PROTEIN SEQUENCE.
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                                                                                                                                                                                                                                                              Glr4296 protein.
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                                                                                                                                                                                                                             01-MAR-2004
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P01636;
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                                                                                                                                      RESULT 33
Q7NDD9_GLOVI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=86177570; PubMed=3083417;
Jirik F.R., Sorge J., Fong S., Heitzmann J.G., Curd J.G., Chen P.P.,
GGOldfien R., Carson D.A.;
"Cloning and sequence determination of a human rheumatoid factor
                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                              20-MAR-1987 (Rel. 04, Created)
01-NOV-1990 (Rel. 16, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
19 kappa chain V-III region CLL precursor (Rheumatoid factor).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ig kappa chain V-III region CLL.
                 Complementarity-determining-1.
Framework-2.
Complementarity-determining-2.
Framework-3.
                                                                                 Complementarity-determining-3.
Framework-4.
By similarity.
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                                                                                                                                                                                        Score 37; DB 1; Length 108;
Pred. No. 9;
                                                                                                                                                                                                                           1; Indels
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Immunoglobulin domain; Immunoglobulin V region; Signal
                                                                                                                                                        11989 MW; 4C98599C08EBA09A CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        light-chain gene.";
Proc. Natl. Acad. Sci. U.S.A. 83:2195-2199(1986)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; M12740; AAA58992.1; -; Genomic_DNA.
HSSP; P01625; 1LVB.
SMR; P04207; 21-129.
GO; GO:0005576; C:extracellular region; NAG.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:000855; P:immine response; NAS.
InterPro; IPR007110; Ig-11ke.
                                                                                                                                                                                                                                                                                                                                                                                129 AA
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     Framework-1
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                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                                                                                                                                                                    75.5%;
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                                                                                                                                                                                                        Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
 23
34
49
56
88
97
88
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                                                                                                                                                                                                                                                           1 RASOSVSSYL 10
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24 RASQDISNYL 33
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3: PS50835; IG L
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129 AA;
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P04207;
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SEQUENCE 211 AA; 23
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                                                                                                                            |||::||||
16 ASQTIDSYLA
                                                                                                   2 ASQSVSSYLA
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                        Query Match
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Q7VPF1 HAEDU
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                               This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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MEDLINE=97093285; PubMed=8938847; DOI=10.1016/S0034-5288(96)90063-6;
Townsend K.M., Dawkins H.J., Zeng B.J., Watson M.W.,
Papadimitriou J.M.;
-!- MISCELLANEOUS: This chain was isolated from a myeloma protein.
                                                                                                                                                                               PDB; 1ARI; X-ray; C=-.
Ensembl; ENSMUSGO000062574; Mus musculus.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig-v.
SMART; SM00406; IGv; 1.
PROSITE; PSC9835; IG_LIKE; 1.
3D-structure; Direct protein sequencing; Immunoglobulin domain; Immunoglobulin V region.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bacteria; Proteobacteria; Gammaproteobacteria; Pasteurellales;
Pasteurellaceae; Pasteurella.
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Complementarity-determining-1.
Framework-2.
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"Development of PCR assays for species- and type-specific identification of Pasteurella multocida isolates.";
J. Clin. Microbiol. 36:1096-1100(1998).
EMBL; AF016260, AAB69129.1; -; Genomic_DNA.
InterPro; IPR009752; DUF1320.
Pfam; PF07030; DUF1320; 1.
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Pred. No. 15;
3; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12030 MW; 0B5244D2B410D84C CRC64;
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01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
1-JAN-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein (Fragment).
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MEDLINE=98201943; PubMed=9542944;
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63.6%;
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O30750_PASMU PRELIMINARY;
O30750;
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24 RASENIYSYLA 34
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NUCLEOTIDE SEQUENCE.
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"New Insights into Metabolic Properties of Marine Bacteria Encoding Proteorhodopsins."
PLOS Biol. 3:E273-E273 (2005).

EMBL, DQ065755; AAX68333.1; -; Genomic_DNA.

InterPro; IPR005503; Filt.
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Pasteurellaceae; Haemophilus.
NCBL_TaxID=730;
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STRAIN=35000HP / ATCC 700724;
Munson R.S. Jr., RAY W.C., Mahairas G., Sabo P., Mungur R.,
A Johnson L., Nguyen D., Wang J., Forst C., Hood L.,
I "The complete genome sequence of Haemophilus ducreyi.";
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL, AE017151, AAPP55130.1; -; Genomic_DNA.
InterPro; IPR009752; DUF1320.
Pfam, PF07030; DUF1320; 1.
Complete protecome.
SEQUENCE 139 AA; 15474 MW; DCFASAI0336133DC CRC64;
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DB 2; Length 114;
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Putative metallo-beta-lactamase superfamily protein-
uncultured marine bacterium 66A03.
                                                                                                                                                                                                                                                                                                                         01-077-2003 (TrEMBLrel. 25, Created)
01-077-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mu-like prophage protein GP36.
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  73.5%; Score 36; 70.0%; Pred. No.
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Q4PNG6 9BACT PRELIMINARY;
Q4PNG6;
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QGGMX9 HUMAN PRELIMINARY;
QGGMX9;
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46 RASQNVSRWLA 56
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Nausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A popkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A papleton M., Soarse M.B., Bonaldo M.F., Carahnci P., Frange C.,
A Brownstein M.J., Usdin T.B., Tooshiyuk S., Carahnci P., Frange C.,
A Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Bask S.A., McKwan P.J., McKernan K.J., Malek J.A., Guabararne P.H.,
A Richards S., Worley K.C., Hale S., Garchard A.M., Gay L.J., Hulyk S.W.,
A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield W. Schell J.B., Jones S.J.M., Marra M.A.,
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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GO; GO: 0016021; C: integral to membrane; IEA.

InterPro; IPR001359; Ig.

InterPro; IPR001359; Ig.

InterPro; IPR00359; Ig.

InterPro; IPR00359; Ig.

InterPro; IPR00366; Ig.W.

R PR0415; SM00409; IG; 2.

R SMART; SM00409; IG; 1.

R SMART; SM00409; IG; 2.

R PROSITE; PS00290; IG_MHC; UNKNOWN 1.

R PROSITE; PS00290; IG_MHC; UNKNOWN 1.
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Director MGC Project;
Director MGC Project;
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC073792; AAH73792.1; -; mRNA.
SMR; QGGMW0; 21-233.
                                                                                                                                                           05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
IGKV1-5 protein.
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Best Local Similarity 72.7-
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122 RANLAVSSYLA 132
1 RASOSVSSYLA 11
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Homo sapiens (Human).
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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Submitted (JUM-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BEC013763; AAH73763.1; -; mRNA..
SMR; QGGMX9; 23-236.
Ensembl; ENSG0000163245; Homo sapiens.
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PROSITE; PS00290; IG MHC; UNKNOWN 1.
SEQUENCE 236 AA; Z5924 MW; FDE2093DC560CFF7 CRC64;
                                                   Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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InterPro; IPR003109; Ig. InterPro; IPR003109; Ig. Ilke.
InterPro; IPR003597; Ig. C1.
InterPro; IPR003596; Ig. MHC.
InterPro; IPR003596; Ig. WHC.
InterPro; IPR003596; Ig. V.
Pfam; PP07654; C1-6et; I.
SMART; SM00407; IGC1; I.
SMART; SM00407; IGC1; I.
05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27,
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Q65ZI1;
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Q65ZI1 MOUSE
ID Q65ZI1 MC
AC Q65ZI1;
DT 25-OCT-20
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TISSUE=#PAPISIONOU;

NEDLINE=96211469; PubMed=8648670;

Amboline=96211469; PubMed=8648670;

Amboline=96211469; PubMed=8648670;

Amboline=96211469; PubMed=8648670;

Targeting human immunodeficiency virus type 1 reverse transcriptase of the viral sequence of the viral life cycle.";

J. Virol. 70:3392-3400(1996).

N. Virol. 70:3392-3400(1996).

REMBL; U48716; AAB64342.1; -; mRNA.

SNR; Q65211; 2-132.

GO; GO:0003944; F:RNA-directed DNA polymerase activity; IEA.

InterPro; IPR003599; Ig_-C2.

RICEPTO; IPR003596; Ig_-V.

RICEPTO; IPR003596; Ig_-V.

RICEPTO; IPR003596; Ig_-V.

SNRRT; SM004009; IGC2; 2.

SNRRT; SM004009; IGG2; 2.

SNRRT; SM004009; IGG2; 2.

SNRRT; SM004009; IGV; 2.

SNRRT; SM004009; IGV; 2.

SNRRT; SNO04006; IGV; 2.

SNRRT; SNO04006; IGV; 2.

SNRRT; SNO04006; IGV; 2.

SNRRT; SNO04006; IGV; 2.

SNRRT; SNO04008; IGC2; 2.

SNRRT; SNO04006; IGV; 2.
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Anti-HIV-1 reverse transcriptase single-chain variable.
Mus musculus (Mouse).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Musinae; Mus.
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Search completed: December 14, 2005, 07:30:49 Job time : 61.3621 secs

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AEB01042

AEB01042

AEB01042

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ADD898875

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Copyright (c) 1993 - 2005 Compugen Ltd.
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Human; VH; heavy chain variable region; VL; light chain variable region; vcrotestic; antiablatic; antiable reciprory expotentic; antiablatic; antiablatic; opthalmological; vasotropic; gynaecological; gene therapy; epithelial glycoprotein-2; EGP-2; cancer; leukaemia; haemangioma; epithelial glycoprotein-2; EGP-2; cancer; leukaemia; haemangioma; acoustic neuroma; rheumancoid arthritis; psoriasis; anglogenesis; telangiectasia; diabetes; vasculogenesis; reproductive disorder; LD9; complementarity determining region 2; CDR2.
                                      AAB66417 standard; peptide; 7 AA.
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related diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention provides an interleukin lbeta (IL-lbeta) binding molecule, in particular a human antibody to human IL-lbeta. The IL-lbeta binding molecules of the invention are used to treat IL-l mediated diseases or disorders e.g. septicemia, septic or endotoxic shock, allergies, asthma, bone loss, ischemia, stroke, rheumatoid arthritis, autoimmune diseases (e.g. hemolytic anemia, systemic lupus erythematosus, myasthenia gravis, Crohn's disease, inflammatory bowel syndrome, Graves disease, multiple sclerosis) and inflammatory disorders (e.g. bronchitis and pulmonary empered and inflammatory disorders (e.g. bronchitis and pulmonary severe burns, cachexia, cancer, IL-l-dependent tumors and acquired immunodeficiency syndrome (AIDS)-related cachexia. The IL-lbeta binding region (CDR) of the light chain variable domain of antibody
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(NOVS ) NOVARTIS-ERFINDUNGEN VERW GES MBH.
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AAL 160, an IL-lbeta binding molecule
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ADW07091
 ADI22138
                                                                                                                                       AAB85369 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; Page 28; 36pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                    19-JAN-2001; 2001WO-EP000591.
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                                                                                                                                                                   AAB85369;
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                                                                                                                         AAB85369
                                                                                                            RESULT
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Beiboer SHWB;

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the present sequence is given in a specification relating to a novel human antibody that is capable of recognising the Epithelial Glycoprotein 2 (EGP-2) antibody. The antibody is useful for prevention and/or treatment of conditions associated with cancer. Such conditions include solid tunnours, blood born tumnours such as leukemia, tumnour metastasis, benign tumnours, for e.g. haemangiomas, acoustic neuromas, rheumatoid arthritis, psoriasis, ocular angiogenic diseases, diabetic retinopathy, myocardial angiogenesis, telangiectasia, wound granulation, angiogenesis, diabetic neovascularisation, vasculogenesis, ovulation, menstruation and conservation in the antibody is useful for in vivo imaging of cancer and conservation in memunological response in a mammal in vivo. The vector is selected from fowl pox virus (FPV), canary pox (ALVAC), cancer momopox virus, vaccinia virus such as modified virus ankara (WVA) and NVVAC or other non-replicating viral vector systems in order to provide a dual immunotherapeutic approach
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Novel human antibody that recognizes the epithelial glycoprotein-2 antigen useful for diagnosis, prevention and/or treatment of cancer-
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                                                                                                                                                                    Disclosure, Fig 9; 86pp; English.
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Best Local Similarity luv...
7; Conservative
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ID ABP
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DASNRAT

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Alzheimer's disease; Creutzfeldt-Jakob disease.
                                               Homo sapiens
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ID ABP9
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                                                                                                                                        Virucide; human; immunopolypeptide; immunopeptide; envelope glycoprotein;
nonetructural protein; hepatitis C virus; HCV; E2 glycoprotein;
NS3 protein; viral infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; antibody; dual integrin; CDR; light chain variable region; LC CDR; medical device; immune related disease; rheumatoid arthritis; gastric ulcer; asthma; allergic rhinitis; Crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; pneumonia; leptosy; malaria; malignant disease; neutological disease; multiple sclerosis; Parkinson's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            envelope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to human immunopolypeptides, produced by a phage transfected cell library. The present sequence is one such immunopolypeptides have binding specificty for envelope glycoprotein B2 and nonstructural protein N83 of hepatitis C virus (HCV). E2 glycoprotein is believed to be responsible for target cell binding and contains neutralising epitopes, while N83 is thought to be involved in the replication of HCV. The immunoplypeptides are useful for diagnosing and treating a patient having or suspected to be having
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New human immunopolypeptide with binding specificity for certain envelope glycoproteins and nonstructural proteins of hepatitis C virus (HCV), for diagnosing or treating patients having or suspected of having HCV
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                                                                                                       Human immunopeptide to HCV E2 glycoprotein light chain CDR #68.
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                                                                                                                                                                                                                                                                                                                                                                  25-JAN-2002; 2002WO-US002303
                                                                                                                                                                                                                                                                                                                                                                                                             26-JAN-2001; 2001US-0264451P.
                                                              (first entry)
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-599801/64.
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                                                              10-OCT-2002
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                        ABP62391;
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The invention relates to an isolated mammalian anti-dual integrin
antibody having at least one of the human heavy chain or light chain
cc complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also
cincluded are the nucleic acids encoding the CDRs, a vector comprising the
cc included that binds to the ant-dual integrin, a medical device comprising
cn antibody that binds to the ant-dual integrin, a medical device comprising
the antibody suitable for administration by parenteral, subcutaneous,
intraabdominal, intravenous, intracarticular, intracarcinar,
intracelebellar, or other routes as given in specification. The antibody
c is useful for diagnosing or treating a dual integrin related condition in
a naimal for example, immune related disease such as rheumatoid
arthritis, gastric ulorer, ashtma, allergic thinitis, crohn's pathology,
c sickle cell anaemia, diabetes, cardiovascular disease such as
arteriosclerosis, atherosclerosis, restenosis, angina pectoris,
c viral, and fungal infections pneumonia, leprosy, malaria; malignant
c disease such as leukaemia, chronic myelesse such as multiple
collymphone, multiple myeloms, neurological disease such as multiple
collymphone, multiple myeloms, neurological disease such as multiple
collymphone, multiple myeloms, neurological disease such as multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease,
Creutzfeldt-Jakob disease and many other diseases given in the
specification. The present sequence is an anti-dual integrin human light
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Giles-Komar J, Heavner G, Snyder L, Trikha M;
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                            07-AUG-2001; 2001WO-US024784.
                                                                                                                                                                                                                                                                                                                                                                                                                         07-AUG-2000; 2000US-0223363P.
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Matches 7; Conservative
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                                                                     Misc-difference
                                                                                                                                                                                        WO200212501-A2.
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Human; cancer-associated epitope; cytokeratin K8; cytokeratin K18; VL; adenocarcinoma; therapy; cancer; antibody; light chain variable region; complementarity determining region; CDR.

03-JAN-2003; 2003WO-US000297 03-JAN-2002; 2002US-0345208P

WO2003057168-A2

17-JUL-2003

Homo sapiens.

(SCRI) SCRIPPS RES INST.

Ditzel H, Jensenius JC; WPI; 2003-598315/56.

Human COU-1 antibody VL CDR2 peptide #1

(first entry)

06-NOV-2003

AAE38098;

AAE38098 standard; peptide; 7 AA

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has immunosuppressive, antiinflammatory, dermatological, antilucer, antipremanic, antiantering antipremanic, antiantering antipremanic, antiinflammatory, dermatological, antilucer, antipremanic, antiinfertility, antithyroid, thyromimetic, haemostatic and cytostatic activities, and can be used as a tumour necrosis factor. The integralises TYRST13b human antibody or an antibody that neutralises TYRST13b activity by binding an epitope of TYRST13b is useful in manufacturing a medicament for administering to a subject suffering from a disorder in which TYRST13b activity is detrimental, e.g. systemic lupuse expthematosus, rheumatoid arthritis, juvenile chronic arthritis, Lyme arthritis, Crohn's disease, ulcerative colitis, inflammatory bowel disease, asthma, allergic diseases, psoriasis, acute or chronic immune disease, asthma, allergic diseases, psoriasis, antectious diseases, parasitic diseases, female infertility, autoimmune thrombocytogaenia, autoimmune thyroid disease, Hashimoto's disease, Sjogren's syndrome, or cancer. The present sequence represents the complementarity determining region 2 (CDR2) of anti-hTMYSF13b light chain, which is given in the
                                            Anti-hTNFSF13b human antibody; antibody; human; TNFSF13b; antiulcer; immunosuppressive; antinflammatory; dermatological; antirheumatic; antiaflallergic; antipsoriatic; antipparasitic; antiathritic; antiaschmatic; antiallergic; antipsoriatic; antipparasitic; antithritic; antiathyroid; thyromimetic; haemostatic; cytostatic; tumour necrosis factor antagonist; thyromimetic; haemostatic; cytostatic; cystemic lupus erythematosus; juvenile chronic arthritis; Lyme arthritis; crohn's disease; ulcerative colitis; inflammatory bowel disease; asthma; allergic disease; pacriasis; immune disease; organ transplant rejection; graff-versus-host disease; manune disease; cancer; garafitic disease; female infertility; autoimmune thrombocytopaenia; autoimmune thyroid disease; Habilmoto's disease; Sjogren's syndrome; complementarity determining region; CDR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       present invention describes an anti-hTNFSF13b human antibody (I). (I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New anti-hTNFSF13b human antibody, useful in manufacturing a medicament for inhibiting TNFSF13b activity in a subject suffering from a disorder in which TNFSF13b activity is detrimental, e.g. asthma, cancer or rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gelfanova VP, Hale JE, Kikly KK, Witcher DR, Rathnachalam R;
Anti-hTNFSF13b human antibody light chain CDR2 SEQ ID NO:6.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-AUG-2002; 2002WO-US021842.
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Best Local Similarity 100..
نام 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                         sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                               Homo
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Novel isolated cancer-associated epitope comprising two separate polypeptides, a cytokeratin 8 polypeptide and a cytokeratin 18 polypeptide, useful as component of vaccine for preventing or treating

Claim 15; Page 36; 155pp; English.

adenocarcinoma.

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The invention provides a cancer-associated epitope comprising two separate polypeptides, a cytokeratin 8 polypeptide and a cytokeratin 18 polypeptide. Vaccine composition of the invention is useful for treating or preventing colon adenocarcinoma, ovarian adenocarcinoma, renal adenocarcinoma, mammary adenocarcinoma, lung adenocarcinoma, pancreatic adenocarcinoma or non-seminomal testis carcinoma. The invention is also useful for preparing a medicament for treating or preventing cancer in a mammal. The present sequence is human COU-1 cancer-associated epitope antibody VL (light chain variable region) CDR (complementarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; antibody; CD30; tumour; autoimmune disease; rheumatoid arthritis; systemic lupus erythematosus; systemic sclerosis; Grave's disease; ALCL; atopic dermatitis; Hashimoto's thyroiditis; chronic renal failure; ALD; acute infectious mononucleosis; angioimmunoblastic lymphadenopathy; HIV; Hodgkin's disease; Castleman's disease; Kaposi's sarcoma; lymphoma; ATL; adult T cell lymphoma; human immunodeficiency virus; carcinoma; therapy;
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                                                                                                                                                                                                                                                                                                                                       Score 34; DB 6; Length 7;
Pred. No. 2e+06;
0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                            100.0%;
100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                               7; Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                          Sequence 7 AA;
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Gaps

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15-JAN-2004
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              07-AUG-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                           Deo YM,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 9
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                                                                                                                                                                                                                                                                                                                                  The invention relates to human monoclonal antibody that binds to human CD30. The antibody is useful for treating or preventing tumour or autoimmune disease.e.g. rheumatoid arthritis, systemic lupus extormanne disease.e.g. rheumatoid arthritis, systemic lupus crythematosus, systemic sclerosis, atopic dermatitis, Grave's disease, Hashimoto's thyroiditis, Wegner's granulomatosis, Omen's syndrome, Chronic renal failure, acute infectious mononcleosis, herpes or HIV (human immunodeficiency virue) virus-associated diseases. The antibody is also useful for treating Hodgkin's disease, anaplastic large cell. Iymphoma (ALCL), adult T cell lymphoma (ATL), angioimmunoblastic lymphoma carcinomas, undifferentiated carcinomas of the based lymphomas, embryonal carcinomas, undifferentiated carcinomas of thio-pharynx (e.g. Schmincke's tumour), Castleman's disease, Kaposi's Sarcoma and other T-cell or B-cell lymphomas. The present sequence is human CD30 antibody VL (light chain variable domain) CDR (complementarity determining region) peptide
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Wegner's granulomatosis, anaplastic large cell lymphoma, Omen's syndrome, light chain variable domain; VL, complementarity determining region; CDR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                               New human monoclonal antibody that binds to human CD30, useful for treating or preventing tumor or autoimmune disease, e.g., rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      monoclonal antibody; heavy chain variable region; light; framework; complementarity determining; CDR1; FR1; FR2; CDR2; FR3; CDR3; FR4; prostate specific membrane antigen; PSWA; cytostatic; tumour; colon cancer; renal carcinoma; gene therapy; human.
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                                                                                                                                                                                                       Treml J;
                                                                                                                                09-JAN-2002; 2002US-0347649P.
                                                                                                                                            19-AUG-2002; 2002US-0404427P.
06-DEC-2002; 2002US-0431684P.
                                                                                                        07-JAN-2003; 2003WO-US000440
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Best Local Similarity 100.
                                                                                                                                                                                                     Keler T, Graziano R,
                                                                                                                                                                              (MEDA-) MEDAREX INC
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DASNRAT 7
                                                         WO2003059282-A2.
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                                    Homo sapiens
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                                                                                  24-JUL-2003
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New isolated human monoclonal antibody comprising a human heavy chain and a human light chain variable regions, both comprising FR1, CDR1, FR2, CDR2, FR3, CRD3 and FR4 sequences, useful for treating or preventing
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                                                                                                                                                                                                                Black A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human light chain variable region CDR2 peptide - SEQ ID 37.
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                                                                                                                                                                                                         Tino WT,
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                                                                                                                                                                                                             Holmes EH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 2; SEQ ID NO 43; 136pp; English.
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                                                                                                                                                                                                         Hudson D,
28-JAN-2003; 2003WO-US002448
                                                                 28-JAN-2002; 2002US-00059989
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Matches 7; Conservative
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                                                                                                                                                                                                         Graziano R,
                                                                                                                                   (MEDA-) MEDAREX INC.
                                                                                                                                                                                                                                                                               WPI; 2003-618360/58.
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New isolated human monoclonal antibody comprising a human heavy chain and a human light chain variable regions, both comprising FR1, CDR1, FR2, CDR2, FR3, CRD3 and FR4 sequences, useful for treating or preventing
                 isolated human monoclonal antibody comprising a human heavy chain and
                                                                                                                                          comprising human heavy chain variable region and a human light chain variable region both comprising FR (framework region)-1, CDR (complementarity determining region)-1, FR2, CDR2, FR3, CRD3 and FR4 sequences. The antibody is directed against the human prostate specific membrane antigen (PSMA). The monoclonal antibody of the invention demonstrates cytostatic activity and may be useful for treating or preventing a disease characterised by the growth of tumour cells such as cancer, particularly prostate cancer, colon cancer or renal carcinoma, as well as duing gene therapy procedures. The current sequence is that of the human light chain variable region CDR2 peptide of the invention.
                             a human light chain variable regions, both comprising FR1, CDR1, FR2 CDR2, FR3, CRD3 and FR4 sequences, useful for treating or preventing
                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              monoclonal antibody; heavy chain variable region; light; framework; complementarity determining; CDR1; FR1; FR2; CDR2; FR3; CDR3; FR4; prostate specific membrane antigen; PSW4; cytostatic; tumour; colon cancer; renal carcinoma; gene therapy; human.
                                                                                                                                invention relates to a novel isolated human monoclonal antibody
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                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
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                                                                                                Claim 2; SEQ ID NO 37; 136pp; English
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                                                                                                                                                                                                                                                                                                                                Sequence 7 AA;
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                                                                  cancer.
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ADD69236
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The invention relates to a novel isolated human monoclonal antibody comprising a human heavy chain variable region and a human light chain variable region both comprising FR (framework region)-1, CDR (complementarity determining region)-1, FR2, CDR2, FR3, CRD3 and FR4

Claim 2; SEQ ID NO 40; 136pp; English.

cancer.

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The present sequence is that of complementarity determining region 2 (CDR2) of the human anti-interleukin-1 receptor type 1 (IL-IR1) monoclonal antibody (MAD) 26F5 and 272 light chain variable region monoclonal antibodies of the invention may comprise this CDR. These antibodies inhibit IL-1 signalling by competing with IL-1beta and IL-1Brahba binding to IL-1R. Monoclonal antibodies, as well as single chain antibodies single chain FV antibodies. Fab antibodies is mellodies single chain FV antibodies, as well as single antibodies and (Fab')2 antibodies, are used in methods of treating IL-1 mediated diseases or for detecting the amount of IL-1R1 in a sample. Committed diseases include acute pancreatitis, amyotrophic lateral sclerosis, Alzheimer's disease, cachexia, anorexia, asthma, closeridium associated illnesses, coronary conditions, cancer including leukaemia and tumour metastasis, diabetes, endometriosis, fever,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, monoclonal antibody, antibody, interleukin-1; receptor; antiasthmatic; antiinflammatory; dermatological; antiallargic; procozoacide; antirheumatic; antiarthritic; osteopathic; vasotropic; analysesic; antidiabetic; nephrotropic; antianemic; nootropic; anticonvulsant; dermatological; antigout; antidiabetic; nethrotropic;
sequences. The antibody is directed against the human prostate specific membrane antigen (PSMA). The monoclonal antibody of the invention demonstrates cytostatic activity and may be useful for treating or preventing a disease characterised by the growth of tumour cells such as cancer, particularly prostate cancer, colon cancer or renal carcinoma, as well as duing gene therapy procedures. The current sequence is that of the human light chain variable region CDR2 peptide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Interleukin-1 receptor type 1 antibody light chain variable region CDR2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Isolated human antibody that specifically binds interleukin-1 receptor type 1 (IL-IR1) useful for treating IL-1 mediated diseases such as rheumatoid arthritis, osteoarthritis and inflammatory conditions.
                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                     Score 34; DB 7; Length 7; Pred. No. 2e+06; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cytostatic, complementarity determining region
                                                                                                                                                                                                                                               0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                ADM41607 standard; peptide; 7 AA.
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                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0%;
Matches 7; Conservative 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-248462/23.
                                                                                                                                                                                                                                                                                                                            DASNRAT 7
                                                                                                                                                                                                                                                                                       1 DASNRAT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2004022718-A2.
                                                                                                                                                                  Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             03-JUN-2004
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Elliott G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADM41607;
                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
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Sequence 7 AA;
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Petersen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-APR-2004.
                                                                                                                                                                                                                                                                                                             ADS88074;
                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            anemia.
                                                                                                                                                                                                                                                             RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention relates to a novel isolated human monoclonal antibody which binds to human CD20 (human B-lymphocyte-restricted differentiation antiden or Bp35). The invention may be useful for the production of compositions with a cytostatic, antipsoriatic, antiinflammatory, neuroprotective, ophthalmological, nephrotropic, antiasthmatic, antiarteriosclerotic, antianaemic, antirheumatic, antithyroid or anti-HIV activity. In addition the invention may be useful
                                                                                                                                                                                                                                                                                                                                                                                 human monoclonal antibody, CD20, human B-lymphocyte-restricted differentiation antigen; Bp35; cytostatic; antiantiatic, antiantancar; neuroprotective; ophthalmological; nephrotropic; antiathmatic; antiateriosclerotic; antianaemic; antirheumatic; antithyroid; anti-HIV; gene therapy; cancer; psoriasis; inflammatory bowel disease; meningitis; uveitis; glomerulonephritis; asthma; atherosclerosis; multiple sclerosis; haemolytic anaemia; myasthenia gravis; rheumatoid arthritis; draves; disease; HIV; CDR; complimentarity determining region; human.
          osteoarthritis, rheumatoid arthritis, inflammatory eye disease, ischaemia, Kawasaki's disease, learning impairment, lung diseases, multiple sclerosis, myopathy, osteoporosis, pain, Parkinson's disease, periodontal disease, pre-term labour, psoriaats, repertusion injury, septic shock, side effects of radiation therapy, temporal mandibular joint disease, aleep disturbance, uveitis, or an inflammatory condition resulting from strain, sprain, cartilage damage, trauma, orthopaedic surgery, infection or other disease processes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New human monoclonal antibodies against CD20, useful for diagnosing, preventing or treating diseases involving cells expressing CD20, e.g. cancer, psoriasis, HIV, glomerulonephritis, asthma, atherosclerosis o
                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Van De Winkel JGJ, Parren P;
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  graft versus host disease,
                                                                                                                                               Length 7;
                                                                                                                                                                        0; Indels
                                                                                                                                             100.0%; Score 34; DB 8;
100.0%; Pred. No. 2e+06;
iive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                             Human CD20 antibody-related CDR peptide SegID17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 30; SEQ ID NO 17; 201pp; English.
 glomerulonephritis,
                                                                                                                                                                                                                                                                                    ADS88068 standard; peptide; 7 AA.
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Baadsgaard ODMS, H
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                                                                                                                                                                      Conservative
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                                                                                                                                Query Match
Best Local Similarity
7; Conserv
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                                                                                                                                                                                               DASNRAT 7
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                                                                                                                       Sequence 7 AA;
 fibromyalgia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
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Petersen J,
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                                                                                                                                                                                                Н
                                                                                                                                                                                                                                                                                                            ADS88068;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            anemia.
                                                                                                                                                                                                                                                           RESULT 12
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for gene therapy. The invention is useful for diagnosing, preventing or treating diseases or disorders involving cells expressing CD20, such as cancer, psoriasis, inflammatory bowel disease, meningitis, uveitis, glomerulonephritis, asthma, atherosclerosis, multiple sclerosis, haemolytic anaemia, myasthenia gravis, rheumatoid arthritis, Graves' disease or HIV. The anti-idiotypic antibody is used for detecting the level of human monoclonal antibody against CD20 in a sample. The present sequence is that of a human complimentarity determining peptide (CDR) peptide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            human monoclonal antibody; CD20; human B-lymphocyte-restricted differentiation antigen; Bp35; cytostatic; antipscriatic; antinflammatory; neuroprotective; ophthalmological; nephrotropic; antinatehmatic; antiarteriosclerotic; antiarenaemic; antirheumatic; antiarteriosclerotic; anti-HIV; gene therapy; cancer; psoriasis; inflammatory bowel disease; meningitis; uveitis; glomerulonephritis; asthma; atheroscleroscis; multiple sclerosis; haemolytic anaemia; myasthenia gravis; rheumatoid arthritis; Graves' disease; HIV; CDR; complimentarity determining region; human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 34; DB 8; Length 7; 100.0%; Pred. No. 2e+06; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human CD20 antibody-related CDR peptide SegID23.
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rd ODMS, Huang H;
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Matches 7; Conserv
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for gene therapy. The invention is useful for diagnosing, preventing or treating diseases or disorders involving cells expressing CD20, such as cancer, psoriasis, inflammatory bowel disease, meningitis, uveitis, glomerulonephritis, asthma, atherosclerosis, multiple sclerosis, haemolytic anaemia, myasthenia gravis, rheumatoid arthritis, Graves' disease or HIV. The anti-idiotypic antibody is used for detecting the level of human monoclonal antibody against CD20 in a sample. The present sequence is that of a human complamentarity determining peptide (CDR) peptide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human monoclonal antibody, CD20, human B-lymphocyte-restricted differentiation antigen; Bp35, cytostatic; human B-lymphocyte-restricted differentiation antigen; Bp35, cytostatic; antianiatic; neuvoprotective; onthanaemaci; nephrotropic; antiartentic; antiartentiosclerotic; antianaemaci; antithyroid; anti-HIV; gene therapy; antirheumatic; antithyroid; anti-HIV; gene therapy; cancer; psoriasis; inflammatory bowel disease, meningitis; uveitis; glomerulonephritis; athma; atherosclerosis; multiple sclerosis; haemolytic anaemia; mysathenia gravis; rheumatoid arthritis; draves' disease; HIV; CDR; complimentarity determining region; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New human monoclonal antibodies against CD20, useful for diagnosing, preventing or treating diseases involving cells expressing CD20, e.g. cancer, psoriasis, HIV, glomerulonephritis, asthma, atherosclerosis o
                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                   100.0%; Score 34; DB 8; Length 7; 100.0%; Pred. No. 2e+06; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human CD20 antibody-related CDR peptide SeqID29
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                                                                                                                                                                                                                                                                                                                                                                                      ADS88080 standard; peptide; 7 AA.
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02-APR-2003; 2003US-0460028P.
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                                                                                                                                                                                    Query Match
Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-348434/32.
                                                                                                                                                                                                                                                                    1 DASNRAT 7
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                                                                                                                                                                    Sequence 7 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                     ADS88080;
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which binds to human CD20 (human B-lymphocyte-restricted differentiation antigen or Bp35). The invention may be useful for the production of compositions with a cytostatic, antipsoriatic, antiaflammatory, neuroprotective, ophthalmological, nephrotropic, antiasthmatic, antiatteriosclerotic, antianement, antitheumatic, antiatthritic, antithyroid or anti-HIV activity. In addition the invention may be useful

invention relates to a novel isolated human monoclonal antibody

Claim 37; SEQ ID NO 29; 201pp; English

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human; antibody; mAb 3G6; lymphocyte migration; inflammatory bowel disease; Crohn's disease; gastroenteritis; juflammatory blowel disease; achima; chronic bronchitis; graft rejection; psoriasis; eczema; urticaria; scleroderma; autoimmune disease; multiple sclerosis; diabetes; glomerulonephritis; autoimmune thyroiditis; Behcet's syndrome; viral infection; cancer; neoplastic disease; leukaemia; lymphoma; antiinflammatory; antiasthmatic; immunosuppressive; antipsoriatic; dermatological; neuroprotective; antidiabetic; nephrotropic; virucide; cytostatic; vasotropic;
for gene therapy. The invention is useful for diagnosing, preventing or treating diseases or disorders involving cells expressing CD20, such as cancer, psoriasis, inflammatory bowel disease, meningitis, uveitis, glomerulonephritis, asthma, atherosclerosis, multiple sclerosis, haemolytic anaemia, myssthenia gravis, rheumatoid arthritis, Graves' disease or HIV. The anti-idiotypic antibody is used for detecting the level of human monoclonal antibody against CD20 in a sample. The present sequence is that of a human complimentarity determining peptide (CDR) peptide which was used in the exemplification of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel antibody which binds activated alpha-E integrin, specifically to activation-induced epitope on integrin alpha-E chain (CD103), useful for treating inflammatory bowel diseases e.g., Crohn's disease,
                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Light chain CDR2 peptide of human mAb 3G6 antibody SeqID 11.
                                                                                                                                                                                                                                                  Score 34; DB 8; Length 7; Pred. No. 2e+06; 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-NOV-2004 (first entry)
                                                                                                                                                                                                                               Query Match
Best Local Similarity luv...
7; Conservative
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                                                                                                                                                                                                                                                                                                                                 1 DASNRAT 7
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                                                                                                                                                                                                              Sequence 7 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
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ID ADS1
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are useful for treating a subject having an inflammatory bowel disease such as Crohn's disease or gastroenteritis or pulmonary inflammatory diseases such as such as asthma and chronic bronchise. Furthermore, such compositions can be used for inhibiting graft rejection, psoriasis, eczema, urticaria, scleroderma, autoimmune diseases such as multiple syndrome, viral infections, cancer and/or neoplastic diseases such as netiaethmatic, immunosuppressive, antipsoriatic, dermatological, neuroprotective, antidiabetic, nephrotropic, virucide, cytostatic and vasotropic activities. This peptide sequence is a human antibody heavy chain complementarity determining region (CDR) that binds the integrin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a composition-of-matter comprising (a multimeric form of) an antibody or antibody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen. Also included are an isolated polynucleotide antibody fragment including an antigen-binding an antibody fragment (the specifically binding an antigen-binding region capable of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New composition comprising a multimeric form of an antibody or fragment which specifically binds an antigen-presenting portion of a complex, useful for treating pathogen-associated diseases e.g., HIV.
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                                                                                                                                                                                                                                                                                                                       Length 7;
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                                                                                                                                                                                                                                                                                                                  100.0%; Score 34; DB 8;
100.0%; Pred. No. 2e+06;
iive 0; Mismatches 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADS52433 standard; peptide; 7 AA.
                                                                                                                                                                                                                                        alphaE chain of the invention.
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Best Local Similarity 10v.v.
Best Local 7; Conservative
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                                                                                                                                                                                                                                                                              Sequence 7 AA;
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ADS52433
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of a human antigen-presenting molecule and an antigen derived from a pathogen), a mucleic acid construct comprising the isolated publymucleotide above (and a promoter sequence for directing transcription of the isolated polymucleotide in a host cell), a host cell comprising the mucleic acid construct above, a virue comprising a cost protein fused to the antibody fragment, detecting an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen, a method of killing or damaging a target cell comprised of a human antigen-presenting molecule and an antigen persenting portion of a complex composed of a human antigen-presenting molecule and antigen derived from a pathogen) and amethod of Killing or deecting in a biological sample an antigen-presenting portion of a complex as described above. The target cell is a Tymphocyte or an antigen-presenting portion of a complex as described above. The target cell is a Tymphocyte or an antigen-presenting cell, which is a B cell or a dendritic cell; The composition-ci-matter further comprises a cetectable molety attached to the antibody or antibody fragment. The composition-ci-matter further comprises of biotin molecule, a streptavidin molecule, a fluorophore, an enzyme or a polyhistidine tag. The biotin protein ligase is BirA, the fluorophore is phycosythrin, and the enzyme is presenting molecule, as treptavidin molecule, as treptavidin molecule, as treptavidin molecule, as molecule, more preferably HuA-A-Z molecule. The pathogen is viral, molecule, more preferably HuA-A-Z molecule. The pathogen is viral, molecule, more preferably HuA-A-Z molecule. The pathogen is viral, molecule, and is a polypeptide selected from a segment of a pathogen is restricted by the antigen compretion and is a polypeptide selected from a segment of composition comprising as an active ingredient the composition comprising as an active ingredient in a method for treating as an active ingredient in an individual such as viruses (HVI), pro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 34; DB 8; Length 7; 100.0%; Pred. No. 2e+06; tive 0; Mismatches 0; Indels
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Best Local Similarity 100...
7; Conservative
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Sequence 7 AA;

The invention relates to a composition-of-matter comprising (a multimeric form of) an antipody or antipody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigon-binding an antigen-binding are region capable of specifically binding an antigen-binding region capable of comprising a mucleic and sequence encoding an antigon capable of antibody fragment included are an isolated polymucleotide comprising an entigon-binding region capable of antibody fragment included an antigon-binding region capable of antibody fragment included an antigon-binding region capable of antibody fragment included an antigon-binding region capable of the mucleic acid construct comprising oct of dereing transcription of the isolated body a virus comprising the nucleic can construct above, a host call, a host cell complex concerned above, an embod of diagnoshing presenting prated of a human antigon-presenting molecule and an antigon derived from a pathogen, a method of killing or damaging a target cell complex composed of a human antigon-presenting molecule and an antigon derived composed of a human antigon-presenting molecule and an antigon derived from a pathogen in antigon-presenting portion of a complex (composed of a human antigon-presenting molecule and an antigon derived from a pathogen in an individual, a method of diagnoshing an individual, a method of diagnoshing an individual, a method of diagnoshing an individual, and the ensymmeter of a biotin protein ligase; a cell is a Tlymphocye or an artigon-presenting cell, which is a Bell an antigon-presenting portion of a biotin protein ligase, a decerable molety attached to the antibody or antibody fragment. The antigon-presenting molecule, a dreptavidin molecule, a green and an antigon-presenting molecule and the biody in an antigon-presenting molecule and the biody and antigon-presenting molecule and the biody in a preferably human and proproced or a biotin procession of an approprise composa Fab antibodies which recognise an HLA-A2/Tax 11-19 complex was generated and tested for specific binding to HLA-A2/Tax 11-19, individual clones were then sequenced and their CDR (complementarity determing region) sequences compared. The present sequence is a CDR from the light chain of composition comprising a multimeric form of an antibody or fragment which specifically binds an antigen-presenting portion of a complex, useful for treating pathogen-associated diseases e.g., HIV. (TECR) TECHNION RES & DEV FOUND LID. Claim S; SEQ ID NO 36; 68pp; English. 26-MAR-2003; 2003US-00396578 26-MAR-2003; 2003US-00396578 isolated Fab clone. WPI; 2004-735863/72. Cohen C; US2004191260-A1 Reiter Y,

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The invention describes an isolated binding member comprising at least concerns binding domain capable of specifically binding Streptococcus one binding domain capable of specifically binding Streptococcus preumoniate surface adhesin A (PsaA) protein, the binding domain having a dissociation constant Kd for PsaA which is less than 1 x10 -6 M. Also conservation isolated nucleic acid molecule encoding at least a part of the binding member described above; a vector comprising the nucleic acid molecule of (1); a cell line engineered to express the binding member described above. The preumococcus in an individual; a kit comprising at least one binding composition comprising at least one binding an east one binding member described above, the antibody being labeled; and a pharmaceutical composition comprising at least one binding member is useful for producing a pharmaceutical composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for cented with S. pneumoniae, e.g. pneumoniae, meningitis and/or sepsis. This sequence encodes anti-pneumococcal surface composition and some service of the composition are useful for cented search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search search searc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antibacterial; antiinflammatory; immunosuppressive; antibody engineering; pharmaceutical; infection; pneumonia; meningitis; sepsis; pneumococcal surface adhesin A; PsaA; light chain variable region; complementarity determining region 2; CDR2; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New binding member towards Streptococcus pneumoniae surface adhesin A
protein, useful for treating or preventing pneumonia, meningitis and/or
                                                                          Gaps
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Query Match
Best Local Similarity 100.0%; Score 34; DB 8; Length 7;
Best Local Similarity 100.0%; Pred. No. 2e+06;
Matches 7; Conservative 0; Mismatches 0. 7----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Anti-PsaA-antibody 1-15E5 VK CDR2
                                                                                                                                                                                                                                                                                                                     ADW07071 standard; peptide; 7 AA.
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100.0%; Score 34; DB 9; Length 7; 100.0%; Pred. No. 2e+06;

Query Match Best Local Similarity

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RESULT 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention describes an isolated binding member comprising at least one binding domain capable of specifically binding Streptococcus pneumoniae surface address A (FBaA) protein, the binding domain having a dissociation constant Kd for FBAA which is less than 1 x10 -6 M. Also described are: an isolated nucleic acid molecule encoding at least a part of the binding member described above; a vector comprising the nucleic acid molecule of (1); a cell line engineered to express the binding member described above; (1); a cell line engineered to express the binding member described above; control of a control of a cell line and a cell of the antibody being labeled; and a pharmaceutical composition comprising at least one binding member described above. The binding member is useful for producing a pharmaceutical composition are useful for producing a pharmaceutical composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering from disorders or diseases associated with S. pneumoniae, e.g. pneumonia, contingits and/or sepsis. This sequence encodes anti-pneumococcal surface composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition are useful for treating or preventing an individual suffering composition and the sepsis. This sequence encodes anti-pneumococcal surface complementarity determining region 2 (CDR2).
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                                                                                                                                                                                                                                          antibacterial; antiinflammatory; immunosuppressive; antibody engineering;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New binding member towards Streptococcus pneumoniae surface adhesin A protein, useful for treating or preventing pneumonia, meningitis and/or sepsis.
 Gaps
                                                                                                                                                                                                                                                           pharmaceutical; infection; pneumonia; meningitis; sepsis;
pneumococcal surface adhesin A; PsaA; light chain variable region;
complementarity determining region 2; CDR2; ds.
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 0; Mismatches
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                                                                                                                          ADW07087 standard; peptide; 7 AA.
                                                                                                                                                                                                                 Anti-PaaA-antibody 9A7 VK CDR2.
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11-JUL-2003; 2003US-0486647P.
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7; Conservative
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N-PSDB; ADW07086.
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DASNRAT 7
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Best Local Similarity
                          DASNRAT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  specifically with human platelet membrane glycoprotein VI and not inducing human platelet aggregation by itself, useful for treatment or prevention of thrombosis.
                                                                                                                                                                                                                                                                                                                                               Human platelet membrane glycoprotein VI associated CDR SEQ ID NO 134.
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                                                                                                                                                         ADW77463 standard; peptide; 7 AA.
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DASNRAT
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ID ADY2
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AC ADY2
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7, Conservative

Matches

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Gaps

19-MAY-2005

ADY26814;

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New human anti-nerve growth factor (NGF) neutralizing antibodies useful for manufacturing a medicament for treating painful disorders (e.g. acute pain) or conditions associated with increased expression or sensitivity
                                       analgesic; gene therapy; antibody engineering; pharmaceutical; pain; neurological disease; NGF; nerve growth factor; heavy chain; CDR2.
                                                                                                                                                                        Martin F;
                       Human anti-NGF-antibody light chain CDR2 SEQ ID NO 123
                                                                                                                                                                       Zhang TJ,
                                                                                                                                                                      Inoue H,
                                                                                                                                                                                                                                                 Claim 38; SEQ ID NO 123; 190pp; English.
                                                                                                                                                                       Huang H,
                                                                                                                    15-JUL-2004; 2004WO-US022876.
                                                                                                                                      15-JUL-2003; 2003US-0487431P
       19-MAY-2005 (first entry)
                                                                                                                                                                        Wild KD, Treanor JJS,
                                                                                                                                                                                       WPI; 2005-202606/21.
                                                                                                                                                       (AMGE-) AMGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               region 2 (CDR2).
                                                                                   WO2005019266-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7 AA;
                                                                  Homo sapiens
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                                                                                                    03-MAR-2005
                                                                                                                                                                                                                                   NGF.
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The invention describes an isolated human antibody that interacts with or binds specifically to human nerve growth factor (NGF) and neutralize the function of NGF. Also described are: methods of treating a condition caused by increased expression of NGF or increased sensitivity to NGF in a pecific binding agent comprising any of the 59 amino acid sequences comprising, for e.g. 123, 107 or 14 amino acids, as mentioned in the specification, and where the binding agent can bind to NGF; a plarmaceutical composition comprising a pharmaceutical carrier and a therapeutic amount of the antibody or binding agent cited above; or a medicament comprising a pharmaceutical carrier and a medicament comprising a pharmaceutical carrier and a medicament comprising a pharmaceutical carrier and a medicament comprising a pharmaceutical amount of a monoclonal antibody or increased sensitivity to NGF, the medicament comprising a pharmaceutical amount of a monoclonal antibody or increased sensitivity to NGF, the medicament comprising a pharmaceutical amount of a monoclonal antibody or the fragment, where the monoclonal antibody or binding agent; an entibody is at least one of the monoclonal antibody or binding agent; an espate cell into that produces the above antibody or binding agent; an espate comprising the ancodes the above antibody or binding agent; an expression vector comprising the above polynucleotide; and a host cell comprising the nucleic acid or expression vector. The composition of medicament for treating a painful disorder (e.g. acute pain, dental pain, or pain from trauma or cancer), or a condition associated with increased expression of MGF or tibody heavy chain complementarity defermining approach comprised to the minan NGF antibody has contexed to the companies of a human NGF antibody has confident minimal medicaments of a binger and the produce of the monocloner of a human NGF antibody has a contexed to the monocloner of a binger where the monocloner and the produce the above antibody and the parameter of a paramet
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100.0%; Pred. No. 2e+06;
iive 0; Mismatches 0;
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Query Match
Best Local Similarity 100...
7; Conservative
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DASNRAT 7

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RESULT 23

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ADY26814 standard; protein; 7 AA.
RESULT 22
             ADY26814
ID ADY2
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DASNRAT 7

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The invention describes an isolated human antibody that interacts with or binds specifically to human nerve growth factor (NGF) and neutralize the function of NGF. Also described are: methods of treating a condition caused by increased expression of NGF or increased sensitivity to NGF in a patient; methods for detecting NGF in a biological sample; an NGF specific binding agent comprising any of the 59 amino acid sequences comprising, one e.g. 123, 107 or 14 amino acids, as mentioned in the specification, and where the binding agent can bind to NGF; a pharmaceutical composition comprising a pharmaceutical carrier and a medicament for treating a painful disorder or condition associated with increased expression of NGF or increased sensitivity to NGF, the medicament comprising a pharmaceutical amount of a monoclonal antibody or increased sensitivity to NGF, the condition associated with increased expression of NGF or increased sensitivity to NGF, the medicament comprising a pharmaceutical amount of a monoclonal antibody or the fragment, where the monoclonal antibody or the fragment, where the monoclonal antibody or salts of the monoclonal antibody or the fragment, where the monoclonal carrier, diluent or excipient; a nucleic acid molecule or polymucleotide that encodes the above antibody or binding agent; and spolymucleotide that encodes the above antibody or binding agent; and comprising the mucleic acid or expression vector. The composition comprising the antibody) and methods are useful for manufacturing a painful disorder (e.g. acute pain, dental pain, or expression vector. The composition comprising the antibody is a condition associated with increased expression of NGF or increased sensitivity to NGF. This is the amino acid expression of NGF or increased sensitivity to NGF. This is the amino acid expression of NGF or increased sensitivity to NGF. This is the amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New human anti-nerve growth factor (NGF) neutralizing antibodies useful for manufacturing a medicament for treating painful disorders (e.g. acute pain) or conditions associated with increased expression or sensitivity
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                                                                                                                                                    analgesic; gene therapy; antibody engineering; pharmaceutical; pain; neurological disease; NGF; nerve growth factor; heavy chain; CDR2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Martin F;
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                                                                                                            Human anti-NGF-antibody light chain CDR2 SEQ ID NO 129.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Huang H, Inoue H, Zhang TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 38; SEQ ID NO 129; 190pp; English.
                                                                                                                                                                                                                                                                                                                                                                15-JUL-2004; 2004WO-US022876.
                                                                                                                                                                                                                                                                                                                                                                                                             15-JUL-2003; 2003US-0487431P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Treanor JJS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2005-202606/21.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMGE-) AMGEN INC.
                                                                                                                                                                                                                                                                        WO2005019266-A2.
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                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                     03-MAR-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pain) o
to NGF.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated nucleic acid encoding a SARS-CoV spike glycoprotein polypeptide, and optimized for expression in a human host, useful for diagnosing, preventing and/or treating SARS-CoV infection.
                                                                                                                            glycoprotein; respiratory-gen.; virucide; sars coronavirus infection; antibody; light chain variable region.
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Sullivan J;
                                                                                                  Anti-SARS 201.2 antibody VK CDR2 SEQ ID NO:11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Greenough T,
Thomas WD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 48; SEQ ID NO 11; 138pp; English
             ADY93861 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hernandez H, Gr
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09-0CT-2003; 2003US-0510251P.
18-FEB-2004; 2004US-0545670P.
26-APR-2004; 2004US-054559PP.
                                                                                                                                                                                                                                                           04-AUG-2004; 2004US-00911838
                                                                      16-JUN-2005 (first entry)
                                                                                                                                                                                                                                                                                                                                                           HERNANDEZ H.
GREENOUGH T.
LUZURIAGA K.
SOMASUNDARAN M.
BABCOCK G J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2005-252952/26.
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                                                                                                                                                                       SARS coronavirus
                                                                                                                                                                                                  US2005069869-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ambrosino D,
                                                                                                                                                                                                                                31-MAR-2005
                                         ADY93861;
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(BABC/)
(THOM/)
(SULL/)
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(LUZU/)
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ADY93861
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  prostate, or lung cancer or inflammatory disorders, for example, rheumatoid arthritis, lupus, restenosis, graft versus host response or multiple aclerosis or a disorder characterized by excessive or undesired MMP-26 activity, for example periodontitis, rheumatoid arthritis or osteoarthritis. The present sequence is that of a CDR peptide which was used during the development of the novel MMP26-binding antibodies of the
anti-S protein antibody. The methods and compositions of the present invantion are useful for the diagnosis, prevention and/or treatment of SARS-COV infection. The present sequence represents the CDR2 amino acid sequence from the anti-SARS 201.2 antibody light chain variable region
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                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         engineering; cytostatic; antiinflammatory; osteopathic;
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                                                                                                                                                                                                                                                                                   100.0%; Score 34; DB 9; Length
100.0%; Pred. No. 2e+06;
ive 0; Mismatches 0; Indel
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Query Match
Beet Local Similarity 100.v.
Beet Local Similarity 7; Conservative
                                                                                                                                                      invention.
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                                                                                                                                                                                                                          Sequence 7 AA;
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(first entry)

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Neuroprotective; Nootropic; Antidiabetic; Endocrine-Gen.; Nephrotropic; Antiparkinsonian; Anticonvulsant; Respiratory-Gen, Apolipoprotein E; Alzheimers disease; amyloidosis; Parkinsons disease; Huntingtons chores; Kuru; Dementia; non-insulin dependent diabetes; Down syndrome; Spongiform encephalopathy; Creutzfeldt Jakob disease; motor neurone disease; chronic obstructive pulmonary disease.
                                                                                                                                                                                                                          Apolipoprotein E C-terminal domain related sequence, SEQ ID 251
                                                                                                   AEA45053 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-NOV-2004; 2004GB-00026043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-NOV-2003; 2003US-0525174P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ASTR ) ASTRAZENECA AB. (DYAX-) DYAX CORP.
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                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nordstedt C,
                                                                                                                                                                                     11-AUG-2005
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                                                                                                                                            AEA45053;
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                                                            Gaps
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                 100.0%; Score 34; DB 9; Length 7; 100.0%; Pred. No. 2e+06; ive 0; Mismatches 0; Indels
                                                            0; Mismatches
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                                                                                                                                                                                                                                                 AEA53713 standard; peptide; 7 AA.
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                                                                                                                                                                                                                                                                                                                                   (first entry)
  Query Match
Best Local Similarity 100..
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Best Local Similarity
7; Conserv?
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DASNRAT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ostecarthritis
                                                                                                                                                                                                                                                                                                                                   11-AUG-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              39-JUN-2005
                                                                                                                                                                                                                                                                                            AEA53713;
                                                                                                                                                                                                          RESULT 25
                                                                                                                                                                                                                              AEA53713
ID AEA
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Hoogenboom H; Leonov S;

Goldschmidt T, Henderikx M, Hoet R, Jersson CV, Lindquist J, Sunnemark D,

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The present invention relates to a human antibody or antibody fragment, which binds to the C-terminal domain of Apolipoprotein E (ApoE-CTD; AEA44803) and also to human plaques. The antibody or its fragment is useful for manufacturing a medicament for treating or preventing an amyloid disorder such as Alzheimers disease, primary systemic amyloidosis, secondary systemic amyloidosis, senile systemic amyloidosis, familial amyloid polyneuropathy (Familial amyloid polyneuropathy) familial amyloidosis, hereditary cerebral amyloidosis, familial amyloidosis, hereditary cerebral amyloidosis, pamilial amyloidosis, hereditary renal amyloidosis, printitary carcinoma of the myloidosis (Finnish type), Familial subepithelial corneal amyloidosis, injection localized amyloidosis, Medullary carcinoma of the thyroid, Atrial amyloidosis, Familial Danish dementia (FDD), Downs syndrome, Spongiform encephalopathies, Sporadic Creutzfeldt Jakob syndrome, Spongiform encephalopathies, Sporadic Creutzfeldt Jakob sissease, dersmann-Strausslar-Scheinker Disease (GSS), Kuru, Parkinsons disease, Huntingtons disease, Familial amyotrophic lateral sclerosis, and chinal constructive pulmonary disease. The present sequence was used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ô
New human antibody or antibody fragment which binds to a sequence of the C-terminal domain of Apolipoprotein B (ApoB-CTD), useful for manufacturing a medicament for treating or preventing an amyloid disorder e.g. Alzheimers disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                              Example 23; SEQ ID NO 251; 392pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              illustrate the invention.
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Best Local Similarity
7; Conserve
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Gaps

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Conservative

DASNRAT

Gaps

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Length 7; 0; Indels

100.0%; Score 34; DB 9; 100.0%; Pred. No. 2e+06; ive 0; Mismatches 0

Conservative

Matches

DASNRAT 7 DASNRAT

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Query Match Best Local Similarity

AEB01035 standard; peptide; 7 AA.

RESULT 28 AEB01035

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The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and cantigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: inhibits binding of IP-10 to CXCR3; inhibits IP-10 induced call migration; cross-reacts with rise inhibits IP-10 induced call migration; cross-reacts with flamman monoclonal antibody is creat with mouse IP-10, does not cross-react with human IIFG. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including multiple sclerosis, rhematorid arthritis, inflammatory bowel disease (e.g., ulcerative colitis, Crohn's disease), systemic lupus cryhematosus, Type I diabetes, inflammatory skin disorders (e.g., disease, Hashimoto's thyroiditis), sjongren's syndrome, pulmonary disease, disease, Hashimoto's thyroiditis), sjongren's syndrome, pulmonary carcoidosis, lymphocytic alveolitis), transplant rejection, spinal cord injury, brain injury (e.g., stroke), neurodegenerative considerative calesases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, gene therapy-induced inflammation, diseases of angiogenesis, inflammatory calesared (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, glomerulonephritis, rapidly progressive glomerulonephritis, rapidly progressive glomerulonephritis, rapidly progressive glomerulonephritis, candiated by HIV, HCV, HSV-1 or SARS virus. The present confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined confined con
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or autoimmune diseases.
                                                                                                                                                                                                                               antibody; IP-10; inflammation; immune disorder; dermatological disease;
                                                                                                                                                                                                                                                  respiratory disease; neurological disease; degeneration; infection; Neuroprotective; Antiarthritic; Antirheumatic; Antinflammatory; Gastrointestinal-Gen; Antiulcer; Dermatological; Immunosuppressive; Antidiabetic; Antipporiatic; Antithyroid; Antiasthmatic; Respiratory-Gen; Cerebroprotective; Vasotropic; Nootropic; Antiparkinsonian; Antiangiogenic; Antiarteriosclerotic; Virucide;
                                                                                                                                                                             Human IP10 antibody light chain variable region, CDR2, SEQ ID NO 68
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Lane TE, Keirstead HS, Liu MT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 16; SEQ ID NO 68; 179pp; English.
                          AEB01040 standard; peptide; 7 AA
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                                                                                                                              (first entry)
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Passmore D, Rangan VS,
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                                                                                                                                                                                                                                                                                                                                                                                                          Antibacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                              08-SEP-2005
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                                                                         AEB01040;
AEB01040
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The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: inhibits binding of IP-10 to CXCR3; inhibits IP-10 induced calcium flux; inhibits IP-10 induced call migration; cross-reacts with rhesus monkey IP-10; does not cross-creact with mouse IP-10; does not cross-react with human IRG. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including cross-react with human IRG. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including cross-react with human IRG. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including cross-react with human IRG. Crohn's disease, systemic lupus erythematosus, Type I diabetes, inflammatory skin disease (e.g., draves' disease, Hashimoto's thyroiditis), Sjogren's syndrome, pulmonary crocidosis, lymphocytic alveolitis, transplant rejection, spinal cord injury, brain injury (e.g., stroke), neurodegenerative diseases (e.g., Alzteimer's diseases (e.g., althemation, diseases (e.g., althemation, diseases (e.g., althemation, diseases), gingivitis, sidney disease (e.g., Alzteimer's diseases, Parkinson's diseases, inflammatory kidney disease (e.g., IgA nephropathy, membranoproliferative cglomerulonephritis, rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or autoimmune diseases.
                                                                                                                                                                                                                                                                 antibody; IP-10; inflammation; immune disorder; dermatological disease;
                                                                                                                                                                                                                                                                                                                respiratory disease; neurological disease; degeneration; infection; Neuroprotective; Antiarthritic; Antircheumatic; Antinflammatory; Gastrointestinal-Gen.; Antiulcer; Dermatological; Immunosuppressive; Antidiabetic; Antiporiatic; Antithyroid; Antiasthmatic; Respiratory-Gen.; Cerebroprotective; Vasotropic; Nootropic; Antiparkinsonian; Antiangiogenic; Antiarteriosclerotic; Virucide; Antibackerial.
                                                                                                                                                                                  Human IP10 antibody light chain variable region, CDR2, SEQ ID NO 63.
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Keirstead HS,
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                                                                                    (first entry)
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Rangan VS,
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                                                                                         08-SEP-2005
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AEB01035;
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Sequence 7 AA

transplant rejection,

sarcoidosis, lymphocytic alveolitis),

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RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or
  where the viral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    antibody; IP-10; inflammation; immune disorder; dermatological disease;
in a subject, where the vir
SARS virus. The present
of a human IP10 monoclonal
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Lane TE, Keirstead HS, Liu MT;
                                                                                                                                                                       100.0%; Score 34; DB 9; Length 7; 100.0%; Pred, No. 2e+06; ive 0; Mismatches 0; Indels
infection involving unwanted IP-10 activity infection is mediated by HIV, HCV, HSV-1 or sequence represents the amino acid sequence
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                                                                             antibody light chain variable region,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     AEB01042 standard; peptide; 7 AA.
                                                                                                                                                                       Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 7; Conservative 0
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Rangan VS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                autoimmune diseases.
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DASNRAT 7
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                                                                                                                         Sequence 7 AA;
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spinal cord injury, brain injury (e.g., stroke), neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, gene therapy-induced inflammation, diseases of angiogenesis, inflammatory kidney disease (e.g., Igh nephropathy, membranoproliferative glomerulonephritis, rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial infection involving unwanted IP-10 activity in a subject, where the viral infection is mediated by HIV, HSV-1 or SARS virus. The present sequence represents the amino acid sequence of a human IP10 monoclonal antibody light chain variable region, CDR2.
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presenting molecule and a pathogen-derived antigen complexes, useful for
treating diseases associated with a pathogen.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7; Conservative
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Best Local Similarity
Matches 7; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-SEP-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-JUL-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AEB28710;
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29-JAN-2004 (first entry)
                                                                                                                                                                                                                         (CENZ ) CENTOCOR INC
                                                                                                                                                                                                                                                                      WPI; 2003-804040/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
les 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 DASNRAT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DASNRAT
                                                                                        neuroprotective.
                                                                                                                                   WO2003083061-A2.
                                                                                                                                                                                                                                                 Giles-Komar J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 8 AA;
                                                                                                               Homo sapiens
                                                                                                                                                         09-0CT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADS64650;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ద
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a composition-of-matter which comprises an antibody or antibody fragment or a multimeric form of an antibody or antibody fragment or a multimeric form of an antibody or antibody fragment including an antigen-binding region capable of of a pecifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule (APM) and an antigen derived from a pathogen. The invention is useful for the specific detection of the antigen-presenting portion of the complex and for diagnosing/treating various types of diseases associated with a pathogen infection by killing/damaging pathogen infected cells. The present sequence is a complementarity determining regions (CDR) of Fab light chain antibody specifically binding human leukocyte antigen (HLA-A2)/Tax11-19 complex. Tax11-19 is an antigen derived from Human T-lymphotropic virus I (HTLV-
                                                                                                                                                                                                                                                                                                                                                                                                                New composition-of-matter capable of specifically binding an antigen-
presenting molecule and a pathogen-derived antigen complexes, useful for
treating diseases associated with a pathogen.
                        Gaps
                                                                                                                                                                                      Human CDR2 of T4B7 Fab specifically binding HLA-A2/Tax11-19, SEQ: 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                              Diagnosis; therapeutic; infection; antimicrobial; light chain; T4B7.
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  Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 34; DB 9; Length 7; 100.0%; Pred. No. 2e+06; ive 0; Mismatches 0; Indels
                       0; Indels
100.0%; Score 34; DB 9;
100.0%; Pred. No. 2e+06;
ive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                (TECR ) TECHNION RES & DEV FOUND LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 5; SEQ ID NO 84; 65pp; English
                                                                                                                     AEB28758 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADD89875 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                    09-MAR-2005; 2005US-00074803.
                                                                                                                                                                                                                                                                                                                          26-MAR-2003; 2003US-00396578.
                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                       7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2005-496781/50.
                                                                                                                                                                                                                                                                                                                                                                     Cohen C;
Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DASNRAT 7
                                                         DASNRAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DASNRAT
                                           DASNRAT
                                                                                                                                                                                                                                                         US2005152912-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7 AA;
                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                  22-SEP-2005
                                                                                                                                                                                                                                                                               14-JUL-2005
                                                                                                                                                                                                                                                                                                                                                                      Reiter Y,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 32
ADD89875
ID ADD89
XX
AC ADD89
                                                                                                            AEB28758
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The present sequence is that of complementarity determining region 2 (CDR2) of the light chain variable region of claimed mammalian antitumour necrosis factor (TNF) antibodies of the invention. The CDR is derived from a human TNF reactive IGG monoclonal antibody generated by cloning variable and constant region DNA in vector pC4 and expression in CTO cells. The invention provides isolated human, primate, rodent, mammalian, chimeric, humanized and/or CDR-grafted anti-TNF antibody compositions, uncleic acids immunoglobulins, their cleavage products, other specified portions and caring a host cell, transgenic animal or transgenic plant or plant cell, cand therapeutic compositions, methods for producing the antibodies using a host cell, transgenic animal or transgenic plant or plant cell, and therapeutic compositions, methods and devices. The antibody, nucleic acid, protein, composition and methods are useful for diagnosing or treating an anti-TNF related condition, eg. cancer, anorexia, cachexia, or an immune, cardiovascular, infectious, and/or neurological disease.
                                                                                      Human, Tumour necrosis factor; TNF; antibody;
complementarity determining region; cytostatic; anabolic;
eating-disorders-gen; immunomodulator; antimicrobial; cardiovascular-gen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New isolated mammalian anti-tumor necrosis factor (TNF) antibody, useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for diagnosing or treating an anti-TNF related condition, e.g. cancer, anorexia, cachexia, or bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumour necrosis factor; TNF; immunotherapy; TNF related diseases; obsesty; immune related disease; rehumatoid arthitis; cardiovascular disease; stroke; malignant disease; leukaemia; neurological disease; multiple sclerosis; infection; hepatitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
Human anti-tumour necrosis factor antibody light chain CDR2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 8;
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100.0%; Pred. No. 2e+06;
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Carton JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADS64650 standard; peptide; 8 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 2; Page 85; 87pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-MAR-2003; 2003WO-US009072.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-MAR-2002; 2002US-0367903P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Scallon BJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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WO2003064606-A2
                                                          Brown E;
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 88 AA;
                                                                                                                                 host element
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADD69248;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20
                                                        Hu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD69248
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               유
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                           The present invention relates to a mammalian anti-tumour necrosis factor (TNF) antibody capable of inhibiting binding of TNF alpha to TNF receptor. The invention is useful for diagnosing or treating an anti-TNF related condition in a cell, tissue, organ or animal and in immunotherapy. The invention is also useful for treating TNF related diseases chosen from obseity, immune related diseases uch as rehumatoid arthritis, cardiovascular disease such as stroke, malignant disease such as stroke, malignant disease such as stroke, malignant disease such as bacterial or viral infections such as hepatitis. The present sequence is the human anti-TNF antibody light chain complementarity determining
        neuroprotective; antibacterial; antiinflammatory; hepatotropic; virucide; anti-TNF antibody; CDR; complementarity determining region; human;
                                                                                                                                                                                                                                  Novel isolated mammalian anti-tumor necrosis factor (TNF) alpha antibody capable of inhibiting binding of TNF alpha to TNF receptor, useful for treating TNF-related diseases such as obesity or rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
cerebroprotective; vasotropic; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    viral infection; virucide; autoimmune disease; lymphoproliferative disorder; vaccine; gene therapy; immunoglobulin; antibody.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 34; DB 8; Length 8; 100.0%; Pred. No. 2e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immunoglobulin kappa light chain protein 1.
                                                                                                                                                                                             Carton JM;
                                                                                                                                                                                                                                                                           Claim 2; SEQ ID NO 13; 45pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADU04212 standard; protein; 88 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-APR-2004; 2004WO-CA000544.
                                                                                                             21-MAR-2003; 2003US-00394471
                                                                                                                                 21-MAR-2003; 2003US-00394471
                                                                                                                                                                                            Giles-Komar J, Scallon BJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
anorectic; antiarthritic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 100
                                                                                                                                                    (GILE/) GILES-KOMAR J.
                                                                                                                                                                (SCAL/) SCALLON B J. (CART/) CARTON J M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-676151/66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2004090544-A2.
                                                                    US2004185047-A1
                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-JAN-2005
                             light chain.
                                                                                         23-SEP-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADU04212;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
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The invention relates to a novel method for characterising a viral infection in a host. The method comprises identifying at least one viral-based sequence element in a biological sample obtained from the host, characterising a homology profile of the viral-based sequence element with at least one endogenous host element and characterising the viral infection as a viral indicative of a viral behaviour of the viral infection in the homology profile; where the homology profile is indicative of a viral behaviour of the viral infection in the host. The method of the invention demonstrates viracide applications and may be useful for preparing a medicament for detecting and/or treating a viral infection or related condition, such as an autoimmune disease e.g. type in cryoglobulinaemia, or lymphoproliferative disorder. The viral infection may be useful for prayizidae, Herpesviridae, Papillomaviridae or connaviridae virus family. Treatment of the infection may utilise useful for detecting the presence of a virus in a biological sample or for manufacturing a medicament for treating SARS coronavirus (SARS-Cov) and/or Human T-lymphortopic virus 1 (HTV-I) infection. The methods are further useful for developing treatment regimes to target genotype-specific viral variants. The current sequence is that of a human
                                                                                                                                                                                                                                                                                                                                                                                                                      Characterizing a viral infection in a host, for developing treatment for severe acute respiratory syndrome-coronavirus (SARS-CoV), by determining homology profile of a viral-based sequence element with an endogenous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                immunoglobulin light chain kappa (IgVLk) protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD69248 standard; protein; 94 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; Fig 24; 166pp; English.
                                                                                                                                             (CABL-) CANADIAN BLOOD SERVICES
09-APR-2003; 2003US-0461137P. 30-SEP-2003; 2003US-0506779P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human light chain L6 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-JAN-2003; 2003WO-US002448.
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                       WPI; 2004-766498/75.
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Example 1; Fig 2; 31pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                        ABO27153;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chimeric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Foote J;
                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                             RESULT 37
  <del>Q</del>
                                                                                                                                                                                                                                                                                                                                                                                                                   CCXSXLLLXBXBXBXBXBXBXXXXXXXBXBXBXCCX
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                                                                                                New isolated human monoclonal antibody comprising a human heavy chain and a human light chain variable regions, both comprising FR1, CDR1, FR2, CDR2, FR3, CRD3 and FR4 sequences, useful for treating or preventing
                                                                                                                                                                        The invention relates to a novel isolated human monoclonal antibody comprising a human heavy chain variable region and a human light chain variable region both comprising FR (framework region)-1, CDR (complementarity determining region)-1, FR2, CDR2, FR3, CRD3 and FR4 sequences. The antibody is directed against the human prostate specific membrane antigen (PSWA). The monoclonal antibody of the invention demonstrates cytostatic activity and may be useful for treating or preventing a disease characterised by the growth of tumour cells such as cancer, particularly prostate cancer, colon cancer or renal carcinoma, as well as duing gene therapy procedures. The current sequence is that of the human light chain L6 protein of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Making humanized antibody for converting antibody, by making chimeric antibodies containing complementarity determining region from non-human antibody and appropriate framework sequences of human antibodies.
                                                                                                                                                                                                                                                                                                                                                             Gaps
                                             Black A;
                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human germline light chain variable region gene segment #34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; light chain variable region; VK; humanised antibody;
chimeric antibody; complementarity determining region; CDR;
canonical CDR structure type.
                                                                                                                                                                                                                                                                                                                                      100.0%; Score 34; DB 7; Length 94; 100.0%; Pred. No. 6.6;
                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                             Tino WT,
                                             Holmes EH,
                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                       Disclosure; SEQ ID NO 52; 136pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO27154 standard; protein; 95 AA.
                                             Hudson D,
28-JAN-2002; 2002US-00059989.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                           Graziano R,
                     (MEDA-) MEDAREX INC
                                                               WPI; 2003-618360/58
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                                                                                                                                                                                                                                                                                                                                                                                                      50 DASNRAT 56
                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                 1 DASNRAT 7
                                                                            N-PSDB; ADD69251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003039649-A1.
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                                                                                                                                                                                                                                                                                                                 Sequence 94 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO27154;
                                           Deo YM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Foote J;
                                                                                                                                  cancer.
                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                  AB027154
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The inversion describes a metricod of marking a humanisacid antibody, comparising making chimmeric antibodies containing a complementarity determining region (CDR) from a non-human antibody and appropriate (Eramework sequences (I) of human antibodies. (I) is selected by using canonical CDR structure types of non-human antibody in comparison to germline canonical CDR structure frome of human antibody in comparison to germline canonical CDR structure from such of humanisation. The method is useful for making a humanised antibody sequence of any subject species to a less converting a subject antibody sequence of any subject species to a less immunogenic form suitable for use in an object species. The method is reliable for identifying suitable human framework sequences to support on human CDR regions and to provide humanised antibodies that retain high antigen binding with low immunogenicity in humans, without the need for determining critically important amino acid residues in the framework, and without the need for multiple iteration and construction to obtain humanised antibodies with sultable therapeutic properties. The antibody has high affinity and low immunogenicity without need for comparing framework sequences between non-human antibodies. This sequence framework sequences between non-human antibodies. This sequence framework sequences between non-human and human antibodies. This sequence
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invention describes a method of making a humanised antibody
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chimeric antibody; complementarity determining region; CDR;
canonical CDR structure type.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 34; DB 6; Length 95; 100.0%; Pred. No. 6.7;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 95 AA;
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framework sequences (I) of human antibody and appropriate framework sequences (I) of human antibodies. (I) is selected by using canonical CDR structure types of non-human antibody in comparison to germline canonical CDR structure types of human antibody in comparison to germline canonical CDR structure types of human antibodies as the basis for selection, for humanisation. The method is useful for making a humanised antibody or a converted antibody. The method is applicable for converting a subject antibody sequence of any subject species to a less immunogenic form suitable for use in an object species. The method is reliable for identifying suitable human framework sequences to support on-human CDR regions and to provide humanised antibodies that retain high antigen binding with low immunogenicity in humans, without the need for determining critically important amino acid residues in the framework, and without the need for multiple iteration and construction to obtain humanised antibodies with suitable therapeutic properties. The antibody framework sequences between non-human and human antibodies. This sequence represents a human light chain variable region gene segment used in the creation of humanised antibodies
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                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 34; DB 6; Length 95; 100.0%; Pred. No. 6.7;
                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
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29-MAY-2002; 2002US-0384197P.
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7; Conservative
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The present invention relates to a method for optimizing at least one physico-chemical property of an antibody by a computational screening method. The method comprises: receiving a template antibody structure; selecting at least one variable position belonging to the antibody structure; selecting at least one amino acid to be considered at the variable position(s); analyzing the interaction of each selected amino

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hypsico-chemical property of an antibody by a computational screening method. The method comprises: receiving a template antibody structure; selecting at least one variable position belonging to the antibody structure; selecting at least one amino acid to be considered at the atribody structure; selecting at least one amino acid to be considered at the acid at each variable position with at least part of the remainder of the antibody, selected amino acid at each variable position with at least part of the remainder of the and identifying a set of at least one antibody sequence with at least one optimized physico-chemical property. The method is useful for optimizing the physico-chemical properties of an antibody, sespecially the stability, solubility, or antigen binding affinity. The optimized antibody may be useful for treating a patient. The present sequence is an antibody wariable region sequence used to illustrate the invention.
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acid at each variable position with at least part of the remainder of the antibody, including the selected amino acids at other variable positions, and identifying a set of at least one antibody sequence with at least one optimized physico-chemical property. The method is useful for optimizing the physico-chemical properties of an antibody, especially the stability, solubility, or antigen binding affinity. The optimized antibody may be useful for treating a patient. The present sequence is an antibody variable region sequence used to illustrate the invention.
                                                                                                                                                                                                                                                           Gaps
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29-MAY-2002; 2002US-0384197P.
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                                                                                                                                                                                                                                                               7; Conservative
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Best Local Similarity
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                                                                                                                                                                                   Sequence 95 AA;
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                                                        Gaps
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                  100.0%; Score 34; DB 7; Length 95; 100.0%; Pred. No. 6.7; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 16; Fig 40b; 135pp; English.
                                                                                                                                                                                                            ADF10196 standard; protein; 95 AA.
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29-MAY-2002; 2002US-0384197P.
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Query Match
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Matches 7; Conservative
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50 DASNRAT 56
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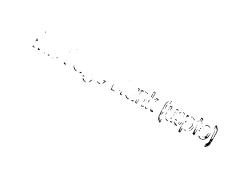
Search completed: December 14, 2005, 07:25:29
Job time : 40.8276 secs

DASNRAT 56

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2 29, Ar. 1e 30, Appl re 15405, A Appl

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Sequence 87, Appl
Sequence 87, Appl
Sequence 17, Appl
Sequence 99, Appl
Sequence 99, Appl
Sequence 147, Appl
Sequence 148, Appl
Sequence 15452, A
Sequence 17, Appl
Sequence 17, Appl
Sequence 12, Appl
Sequence 14, Appl
Sequence 1600, Appl
Sequence 1600, Appl
Sequence 1600, Appl
Sequence 161, Appl
Sequence 1619, Appl
Sequence 18195, A
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1014
Sequence 86, Appl
Sequence 6, Appl
Sequence 6, Appli
Sequence 2, Appli
Sequence 179, App
Sequence 181, App
Sequence 181, App
Sequence 181, App
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83, Appl
14, Appl
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                                                                                                                                                                        (without alignments)
56.414 Million cell updates/sec
                                                                                                                                                   07:19:38 ; Search time 10.2586 Seconds
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/cgn2 6/ptodata/1/jaa/6_COMB.pep:*
/cgn2 6/ptodata/1/jaa/H_COMB.pep:*
/cgn2 6/ptodata/1/jaa/PGTUS COMB.pep:*
/cgn2 6/ptodata/1/jaa/RE_COMB.pep:*
/cgn2 6/ptodata/1/jaa/RE_COMB.pep:*
                      GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-194-975-86
US-010-194-975-87
US-08-635-109-6
US-08-844-215-9
US-08-053-111-119
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                                                                                                                                                                                                                                                                                                                                                                                                                                    hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                           572060 segs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
                                                                                                        protein search, using sw model
                                                                                                                                                                                                                                                                                                                           BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Issued_Patents_AA:*
                                                                                                                                                   December 14, 2005,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               seq length: 0
seq length: 200000000
                                                                                                                                                                                                                                   US-10-720-323-5
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1 DASNRAT 7
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Maximum DB
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Sequence 6, Application US/08635109

Sequence 6, Application US/08635109

Patent No. 65381140:

GENERAL INFORMATION:

APPLICANT: Persson, Mats A. A.

APPLICANT: Allander, Tobias E.

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES SPECIFIC FOR TITLE OF INVENTION: HEBPTITIS C VIRUS (HCV) E2 ANTIGEN NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 34; DB 2; Length 95; 100.0%; Pred. No. 2.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 34; DB 2; Length 95; 100.0%; Pred. No. 2.4;
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US-10-194-975-87
Sequence 87, Application US/10194975
Factor No. 6881557
GENERAL INFORMATION:
TITLE OF INVEWITON: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT PELLING DATE: 2002-10-10
FRIOR FILING DATE: 2002-10-10
FRIOR FILING DATE: 201-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: Patentin version 3.1
SEQ ID NO 87
LENGTH: 95
LENGTH: 95
                                                                              US-10-194-975-86

Sequence 86, Application US/10194975

Sequence 86, Application US/10194975

GENERAL INFORMATION:
APPLICANT: Foote, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REPERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975

CURRENT FILING DATE: 2002-10-10

PRIOR APPLICATION NUMBER: US 60/305,111

PRIOR FILING DATE: 2001-07-12

NUMBER OF SEQ ID NOS: 122

SOFTWARE: PATCHING VERSION 3.1

SEQ ID NO 86

LENGTH: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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ALIGNMENTS
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
CORGANISM: Homo sapiens
US-10-194-975-86
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; Sequence 9, Application US/08844215
; Patent No. 6747136
; GENERAL INFORMATION:
    APPLICANT: PERSON, MATS AXEL
    APPLICANT: ALANDER, TOBIAS ERIK
    TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES SPECIFIC FOR
    TITLE OF INVENTION: HEPATITIS C VIRUS (HCV) E2 ANTIGEN
    NUMBER OF SEQUENCES: 34
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: ROBLINS & ASSOCIATES
    STREET: 90 MIDDLEFIELD ROAD, SUITE 200
    CITY: MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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ZIP: 94025

ZIP: 94025

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/844,215

FILING DATE: 17-APR-1997

CLASSIFICATION 1435

PROGRACTION NUMBER: US 08/635,109

FILING DATE: 19-APR-1996

ATFORNEY/AGENT INFORMARTION:
NAME: MCCRACKEN, THOMAS P.

REGISTRATION NUMBER: 38,548
                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/635,109
FILING DATE: 19-APR-1996
CLASSIFICATION: 435
ATTONNEY/AGENT INFORMATION:
NAME: MCCCACKEN THORMATION:
NAME: MCCCACKEN, THORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF 6:
SEQUENCE CHRACTERISTICS:
LENGTH: 105 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                          285 Hamilton Avenue, Suite 200
                                                                                                                                    ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                      REED & ROBINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
CORRESPONDENCE ADDRESS:
                                       STREET: 285 Hamilto
CITY: Palo Alto
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: Bi
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Patent No. 5661016
GENERAL INPORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 5661016-Human Animals for TITLE OF INVENTION:
TITLE OF INVENTION: Producing Heterologous Antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 34; DB 1; Length 115; 100.0%; Pred. No. 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 197
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: One Market Plaza, Steuart Tower, Suite 200
             CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/053,131

FILING DATE: 26-APR-1993

CLASSIFICATION 800

PRIOR APPLICATION NUMBER: US 07/990,860

FILING APPLICATION DATA:

APPLICATION NUMBER: US 07/910,279

FILING APPLICATION DATA:

APPLICATION NUMBER: US 07/810,279

FILING DATE: 17-DEC-1991

PRIOR APPLICATION NUMBER: US 07/81408

FILING DATE: 18-MAR-1992

ATTORNEY/AGENT INFORMATION:

NAME: SMICH, William M.

REGISTRATION NUMBER: 14643-9-3

REFERENCE/DOCKET NUMBER: 14643-9-3

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPAX: 415-326-2420

SECULDS SECULD NO: 179:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:

MEDIUM TYPE: RIOPY disk

COMPUTER: READABLE FORM:

MEDIUM TYPE: RIOPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/08/053,131

FILING DATE: 26-APR-1993

CLASSIFICATION NAMBER: US 07/990,860

PRIOR APPLICATION NUMBER: US 07/990,860

PRILNG DATE: 16-DEC-1992

PRILNG DATE: 16-DEC-1992

PRIOR APPLICATION NUMBER: US 07/990,800
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0; Mismatches
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PRIOR APPLICATION NUMBER: US 07/810,279
APPLICATION NUMBER: US 07/851
  OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          : 115 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
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LENGTH: 115 amino acid
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US-08-053-131-179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        70 DASNRAT 76
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US-08-053-131-181
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APPLICANT: Watkins, Jeffry
APPLICANT: Watkins, Jeffry
APPLICANT: Watkins, Jeffry
APPLICANT: Watkins, Jeffry
APPLICANT: Watkins, Jeffry
APPLICANT: Watkins, Jeffry
TILE OF INVENTION: Methods of Optimizing Antibody Variable Region Binding Affinity
FILE REPERENCE: AME-06532
CURRENT APPLICATION NUMBER: US/09/434,870
CURRENT APPLICATION NUMBER: 60/159,689
PRIOR APPLICATION NUMBER: 60/159,689
PRIOR FILING DATE: 1999-10-14
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 107
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Patent No. 5661016
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 5661016-Human Animals for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 34; DB 2; Length 107; 100.0%; Pred. No. 2.8; cive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                            0; Indels
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew STRET: One Market Plaza, Steuart Tower, Suite 200 STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                               Score 34; DB 2
Pred. No. 2.7;
                                                                                                                                                                                                                                                                                                                            Mismatches
REFERENCE/DOCKET NUMBER: 80146.002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2, Application US/09434870
Patent No. 6849425
             TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 325-7812
TELEFAX: (650) 325-7823
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TYPE: amino acid
STRANDEDNESS: single
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                               100.0%;
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Best Local Similarity 100...
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Best Local Similarity 100.
                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-844-215-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                               49 DASNRAT 55
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50 DASNRAT 56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 6
US-08-053-131-179
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US-09-434-870-2
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INFORMATION FOR SEQ ID NO: 179:
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Sequence 179, Application US/08096762

Fatent No. 5814318

APPLICANT: Lonberg, Nile

APPLICANT: Lonberg, Nile

APPLICANT: Lonberg, Nile

TITLE OF INVENTION: Producing Heterologous Antibodies

NUMBER OF SEQUENCES: 210

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend Khourie and Crew

STREET: One Market Plaza, Steuart Tower, Suite 200

CITY: San Francisco

STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 34; DB 1; Length 115; 100.0%; Pred. No. 3; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SURNER: PAPLICATION DATA:
APPLICATION NUMBER: US/08/096,762
FILING DATE: 22-UL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION NUMBER: US 07/990,660
FILING DATE: 13-ARR-1992
PRIOR APPLICATION NUMBER: US 07/904,068
FILING DATE: 18-DEC-1992
PRIOR APPLICATION NUMBER: US 07/9104,068
FILING DATE: 18-DEC-1992
PRIOR APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-DEC-1992
PRIOR APPLICATION NUMBER: US 07/810,279
FILING DATE: 18-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: SMICH WIlliam M.
REGISTRATION NUMBER: 30,223
REFERENCE/OFCET NUMBER: 14643-9-4
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                           14643-9-3
FILING DATE: 18-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: SMITCH, WIlliam M.
REGISTRATION UNMBER: 30,223
REFERENCE/DOCKET UNMBER: 14643
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 415-326-2400
TELEFAX: 415-326-2420
INFORMATION FOR SEQ ID NO: 181:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                , MOLECULE TYPE: protein US-08-053-131-181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10 DASNRAT 76
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Execution 18,09042353

| Sequence 44, Application US/09042353
| Patent No. 625548
| GENERAL INFORMATION:
| APPLICANT: Lonberg, Nils
| APPLICANT: Kay, Robert M.
| TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for TITLE OF INVENTION: Producing Heterologous Antibodies NUMBER OF SEQUENCES: 421
| CORRESPONDENCE ADDRESS: ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY: USA COUNTRY: USA COUNTRY: USA COUNTRY: USA COMPUTER READABLE FORM:
| MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 113-MAR.1998
CLASSIFICATION 1908
PRIOR APPLICATION NUMBER: US/09/042,353
FILING DATE: 17-DEC-1991
PRIOR APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR.1992
PRIOR APPLICATION NUMBER: US 07/904,068
FILING DATE: 3-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US96/16433
FILING DATE: 10-0CT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 10-DEC-1997
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET WUMBER: 014643-009040US
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acide
TYPE: amino acide
                                       10-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-042-353-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       70 DASNRAT 76
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Sequence 12, Application US/09042353

Sequence 12, Application US/09042353

GENERAL INFORMATION:

APPLICANT: Lonberg, Nils

APPLICANT: Kay, Robert M.

TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for TITLE OF INVENTION: Producing Heterologous Antibodies

TITLE OF INVENTION: Producing Heterologous Antibodies

NUMBER OF SEQUENCES: 421

CORRESPONDENCE ADDRESS:

ADDRESSEE: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA
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                              100.0%; Score 34; DB 1; Length 115; 100.0%; Pred. No. 3; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:

APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-08
FILING DATE: 17-DEC-1991
PRIOR APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION NUMBER: US 07/853,408
FILING DATE: 17-DEC-1991
PRIOR APPLICATION NUMBER: US 07/853,408
FILING DATE: 23-JUN-1992
PRIOR APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION NUMBER: US 08/053,131
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
PRIOR APPLICATION NUMBER: US 08/352,322
PRIOR APPLICATION NUMBER: US 08/352,322
PRIOR APPLICATION NUMBER: US 08/352,322
PRIOR APPLICATION NUMBER: US 08/352,322
PRIOR APPLICATION NUMBER: US 08/352,322
PRIOR APPLICATION NUMBER: US 08/352,322
PRIOR APPLICATION NUMBER: US 08/354,404
FILING DATE: 10-DEC-1993
PRIOR APPLICATION NUMBER: US 08/354,404
FILING DATE: 10-DEC-1993
PRIOR APPLICATION NUMBER: US 08/344,404
FILING DATE: 10-DEC-1993
PRIOR APPLICATION NUMBER: US 08/344,404
FILING DATE: US 06/754,404
FILING DATE: US 06/754,404
FILING DATE: US 06/754,403
PRIOR APPLICATION NUMBER: US 08/344,404
FILING DATE: US 06/754,403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0.0
Query Match
Best Local Similarity 100.0
Lagary 7; Conservative
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Patent No. 6300129;
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
KAY, ROBERT M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                           COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATE: US/08/758,417A
FILING DATE: 02-Dec-1996
CLASSIFICATION: AUNKNOWN>
PRIOR APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 01-OCT-1995
APPLICATION NUMBER: US 08/544,404
FILING DATE: 01-OCT-1995
APPLICATION NUMBER: US 08/544,404
FILING DATE: 01-DCT-1995
APPLICATION NUMBER: US 08/54,404
APPLICATION NUMBER: US 08/52,322
FILING DATE: 01-DCT-1995
APPLICATION NUMBER: US 08/165,699
FILING DATE: 01-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 01-DEC-1993
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CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 307:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (415) 576-02(
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 115 amino acids TYPE: amino acid
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STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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|DASNRAT 76
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Patent No. 6300129
GENERAL INPORMATION:
APPLICANT: Lonberg, Nils
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STRET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
                                                                 PRIOR APPLICATION DAIA;

APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
PRIOR APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
PRIOR APPLICATION NUMBER: US 08/209,741
FILING DATE: 03-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 03-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: U-0-CT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/44,404
FILING DATE: U-0-CT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: U-0-CT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: U-0-CT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: U-0-CT-1996
PRIOR APPLICATION NUMBER: US 08/758,417
FILING DATE: U-0-CT-1996
PRIOR APPLICATION NUMBER: US 08/758,417
FILING DATE: US-D-CC-1997
FILING DATE: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1997
FILING DATE: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
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PRIOR APPLICATION NUMBER: US-D-CC-1996
FILING DATE: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
FILING DATE: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
FILING DATE: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
FILING DATE: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
PRIOR APPLICATION NUMBER: US-D-CC-1996
PRIOR APPLICATION UMBER: US-D-CC-1996
PRIOR AP
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               PRIOR DATE: 26-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/096,762
US 08/053,131
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amino acid
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Best Local Similarity 100.
Periona 7; Conservative
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DASNRAT 76
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US-08-758-417A-307
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| Sequence 46, Application US/09456090A |
| Patent No. 680209 |
| Patent No. 680209 |
| GENERAL INFORMATION: |
| APPLICANT: Buechler, Joe |
| APPLICANT: Ualkirs, Gunars |
| APPLICANT: Lonberg, Nils |
| APPLICANT: Lonberg, Nils |
| TILE OF INVENTION: HUVAN ANTIBODIES AS DIAGNOSTIC REAGENTS |
| TILE OF INVENTION: HUVAN ANTIBODIES AS DIAGNOSTIC REAGENTS |
| TURRENT APPLICATION UNDER: US/09/456,090A |
| CURRENT FILING DATE: 1999-12-06 |
| NUMBER OF SEQ ID NOS: 110 |
| SEQ ID NO 46 |
| LENGTH: 224 |
| LENGTH: 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 82, Application US/09456090A

Patent No. 6680209

GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Buechler, Gunars
APPLICANT: Conberg, Nils
TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
FILE REFERENCE: 020015-000200US
CURRENT APPLICATION NUMBER: US/09/456,090A

CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 92
LENGTH: 224
                                                                                                                                                    DB 2; Length 224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 34; DB 2; Length 224; 100.0%; Pred. No. 6.3;
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100.0%; Pred. No. 6.3;
ative 0; Mismatches
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                 Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
CTHER INFORMATION: M1-10L
US-09-456-090A-46
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COTHER INFORMATION: M2-31L
US-09-456-090A-82
                                                FEATURE:

COTHER INFORMATION: M1-1L

US-09-456-090A-36
     TYPE: PRT
ORGANISM: Homo sapiens
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|DASNRAT 56
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| Patent No. 6680209
| CADREAL INFORMATION:
| APPLICANT: Buechler, Joe |
| APPLICANT: Buechler, Jeff |
| APPLICANT: Gray, Jeff |
| APPLICANT: Conderg, Nils |
| APPLICANT: Londerg, Nils |
| TILE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS |
| FILE REFERENCE: 020015-000200US |
| CURRENT APPLICATION NUMBER: US/09/456,090A |
| CURRENT FILING DATE: 1999-12-06 |
| NUMBER OF SEQ ID NOS: 110 |
| SOFTWARE: PatentIn Ver. 2.1
                                                          CURRENTING SYSTEM: FLODEY GIBE

SOBTWARE: BEACHTIN Release #1.0, Version #1.30

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

RILING DATE: 02-Dec-1996

CLASSIFCATION NUMBER: US 08/728,463

FILING DATE: 10-OCT-1995

APPLICATION NUMBER: US 08/54,404

FILING DATE: 10-OCT-1995

APPLICATION NUMBER: US 08/32,322

FILING DATE: 09-DEC-1994

APPLICATION NUMBER: US 08/32,322

FILING DATE: 09-DEC-1993

APPLICATION NUMBER: US 08/16,699

FILING DATE: 10-DEC-1993

APPLICATION NUMBER: US 08/16,739

FILING DATE: 10-DEC-1993

APPLICATION NUMBER: US 08/16,762

FILING DATE: 18-00-1993

APPLICATION NUMBER: US 08/15,301

FILING DATE: 18-00-1993

APPLICATION NUMBER: US 08/096,762

FILING DATE: 22-JUL-1993

APPLICATION NUMBER: US 08/096,762

FILING DATE: 26-APR-1993

APPLICATION NUMBER: US 08/096,762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%; Score 34; DB 2; Length 115;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
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NOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 309:
US-08-758-417A-309
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO: 309:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |||||||
70 DASNRAT 76
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 46, Application US/09453234
; Sequence 46, Application US/09453234
; Patent No. 679413
; GENERAL INFORMATION:
   APPLICANT: Buechler, Joe
   APPLICANT: Buechler, Joeff
   APPLICANT: Gray, Jeff
   APPLICANT: Gray, Jeff
   APPLICANT: GonPharm International
   APPLICANT: GenPharm International
   TITLE OF INVENTION: Human Antibodies
   TITLE OF INVENTION: Human Antibodies
   TITLE OF INVENTION: 1999-10-01
   CURRENT FILING DATE: 1999-12-01
   CURRENT FILING DATE: 1999-10-02
   NUMBER OF SEQ ID NOS: 112
   SOFTWARR: PatentIn Ver. 2.1
   SEQ ID NO 46
   LENGTH: 294
   TYPE: PRT
   ORGANISM: Homo sapiens
   OUTHER INFORMATION: MI-10L
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonbergy Nils
APPLICANT: Lonbergy Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: GenPharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR RILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PatentIn Ver. 2.1
SENGTH 224
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Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Gray, Jeff
APPLICANT: Blosite Diagnostics, Inc.
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-453-234-36
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US-09-456-090A-88

S-Gauence 89, Application US/09456090A

Sequence 80, Application US/09456090A

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Gray, Jeff
APPLICANT: Cray, Jeff
APPLICANT: Crouberg, Nils
FILE REFERENCE: 020015-000200US
FILE REFERENCE: 020015-000200US
CURRENT APPLICATION NUMBER: US/09/456,090A

CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110

SOFTWARE: PatentIN Ver. 2.1

LENGTH: 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 90, Application US/09456090A
Fatent No. 6680209
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Ualkirs, Gunars
APPLICANT: Lonberg, Nils
TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
FILE REFERENCE: 020015-000200US
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: PatentIn Ver. 2.1
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US-09-453-234-36
; Sequence 36, Application US/09453234
; Patent No. 679412
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
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Best Local Similarity 100.
Matches 7; Conservative
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Matches 7; Conservative
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ORGANISM: Homo sapiens
CTHER INFORMATION: M2-35L
US-09-456-090A-90
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Homo BapienB
; OTHER INFORMATION: M2-34L
US-09-456-090A-8B
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| 50 DASNRAT 56
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50 DASNRAT 56
                                                 DASNRAT 56
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LENGTH: 224
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TYPE: PRT
ORGANISM: Homo sapien
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Best Local Similarity
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                                                                                                                                                                TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Buechler, Joe
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Caray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Generg, Nils
APPLICANT: Generge, Inc.
APPLICANT: Generge, Inc.
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APPLICANT: Generge, Inc.
APPLICANT: Generge, Inc.
CURRENT APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 88
LENGTH: 224
APPLICANT: GenPharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR PILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: Petentin Ver. 2.1
SOFTWARE: 224
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Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: Genberg, Nils
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-0001100S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 88, Application US/09453234; Patent No. 6794132; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-31L
US-09-453-234-82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT OCANISM: Homo sapiens CTANISM: OCHER INFORMATION: M2-34L US-09-453-234-88
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Sequence 4, Application US/09848832

Sequence 4, Application US/09848832

Sequence 4, Application US/09848832

Sequence 6890532

Settle No. 6890532

Settle No. 6890532

TILLE OF INVENTION: MADIES VIRUS-SPECFIC NEUTRALIZING HUMAN

TITLE OF INVENTION: MONOCLONAL ANTIBODIES AND NUCLEIC ACIDS AND RELATED METHODS

TITLE OF INVENTION: MONOCLONAL ANTIBODIES AND NUCLEIC ACIDS AND RELATED METHODS

CURRENT APPLICATION NUMBER: US/09/848,832

CURRENT APPLICATION NUMBER: 60/204,518

PRIOR FILING DATE: 2000-05-16

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 234
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US-09-328-352-6753
US-09-328-352-6753
Sequence 6753, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
TITLE OF INVENTION: Breton et al.
TITLE OF INVENTION: BAUMANNI FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT PILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 6753
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Pred. No. 1.2e+02;
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85.7%; Pred. No. 51;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                          0; Mismatches
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PATENTIN Ver: 2.1
SEQ ID NO 90
LENGTH: 224
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US-09-328-352-6753
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Best Local Similarity 100.
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) OTHER INFORMATION: M2-35L
US-09-453-234-90
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Best Local Similarity
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106 amino acids
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 84
LENGTH: 224
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Matches 6; Conservative
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; OGGANISM: Homo sapiens
; OTHER INFORMATION: M2-32L
US-09-453-234-84
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M2-32L
                                                          single
                                                                             TOPOLOGY: linear MOLECULE TYPE: peptide
                LENGTH: 106 aminc
TYPE: amino acid
STRANDEDNESS: sir
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50 DASSRAT 56
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Best Local Similarity
Matches 6; Conserv
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US-09-456-090A-84
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                                                                                                                        US-08-844-215-14
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85.7%; Pred. No. 32;
iive 1; Mismatches 0; Indels
  0; Indels
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Patent No. 6147136
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ALLANDER, TOBIAS ERIK
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES SPECIFITILE OF INVENTION: HEPATITIS C VIRUS (HCV) E2 ANTIGEN
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBINS & ASSOCIATES
STREET: 90 MIDDLEFIELD ROAD, SUITE 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CUNTRY: USA

COUNTRY: USA

COUNTRY: USA

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/44,215

FILING DATE: 17-APR-1997

CLASSIPICATION: 435

PRINCR APPLICATION BATA:

APPLICATION NUMBER: US/08/635,109

FILING DATE: 19-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: MCCRACKEN, THOMAS P.

REGISTRATION NUMBER: 38,548

REFERENCE/DOCKET NUMBER: 80146.002

TELECOMMUNICATION NUMBER: 80146.002

TELECOMMUNICATION NUMBER: 80146.002

TELECOMMUNICATION NUMBER: 80146.002

TELECOMMUNICATION NUMBER: 80146.002

TELECOMMUNICATION NUMBER: 80146.002
                                                                                                                                                                          Sequence 83, Application US/10194975

Patent No. 6881557

GENERAL INFORMATION:

TITLE OF INVENTION: Super Humanized Antibodies

FILE REFERENCE: 501231.01

CURRENT APPLICATION NUMBER: US/10/194,975

CURRENT APPLICATION NUMBER: US 60/305,111

PRIOR APPLICATION NUMBER: US 60/305,111

PRIOR PPLIATE DATE: 2001-07-12

NUMBER OF SEQ ID NOS: 122

SEQ ID NO 93

LENGTH: 96
  1; Mismatches
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Best Local Similarity 85.7
Matches 6; Conservative
  6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CORGANISM: Homo sapiens
US-10-194-975-83
                                                                                  24 DASNOAT 30
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51 DASSRAT 57
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                                            1 DASNRAT 7
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US-08-844-215-14
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US-10-194-975-83
      Matches
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Sequence 84, Application US/09456090A

Sequence 80, Application US/09456090A

GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Gray, Jeff
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
FILE REFERENCE: 020015-000200US
CURRENT APPLICATION NUMBER: US/09/456,090A

CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110

SEQ ID NO 84

LENGTH: 224
85.3%; Score 29; DB 2; Length 106; 85.7%; Pred. No. 35; 1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: Genharm International
ITILE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR FILING DATE: 1999-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-453-234-84
; Sequence 84, Application US/09453234
; Patent No. 6794132
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Sequence 30, Application US/09535832A; Patent No. 6537769; GENERAL INFORMATION:
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; Patent No. 6048704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (212) 278-0400
TELEPAX: (212) 391-0525
INFORMATION FOR SEQ ID No: 29:
SEQUENCE CHARACTERISTICS:
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 17
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                         6; Conservative
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Best Local Similarity
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Best Local Similarity
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US-09-535-832A-30
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US-08-812-586-29
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Patent No. 6048704

GENERAL INFORMATION:

PAPLICANT: Martin David Tilson

TITLE OF INVENTION: PROTEINS ASSOCIATED WITH ABDOMINAL AORTIC ANEURYM (AAA)

TITLE OF INVENTION: DISEASE, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF

NUMBER OF SEQUENCES: 61

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP

STREET: 1185 Avenue of the Americas

CITY: New York
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Patent No. 6537769
GENERAL INFORMATION:
APPLICANT: Tilson, Martin David
TITLE OF INVENTION: With Abdominal Aortic Aneurysm (AAA) Disease, and
TITLE OF INVENTION: Diagnostic and Therapeutic use Thereof
FILE REFERENCE: 53862-A2
CURRENT APPLICATION NUMBER: US/09/535,832A
CURRENT FILING DATE: 2000-03-28
                                                                                                    Gaps
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                                85.3%; Score 29; DB 2; Length 224;
100.0%; Pred. No. 82;
iive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPTING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/812,586

FILING DATE: 07-MAR-1997

CLASSIFICATION: 435

ATTORNEY AGENT INFORMATION:

NAME: White, John P.

REGISTRATION NUMBER: 0575/53862-A

TELECOMMUNICATION INFORMATION:

TELECOMMUNICAT
                         Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.77
Propertive 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , MOLECULE TYPE: protein US-08-812-586-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 DASNRAT 7
                                                                                                                                                                                                                     50 DASNRA 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: New York
STATE: New York
COUNTRY: U.S.A.
                                                                                                                                                           1 DASNRA 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-535-832A-17
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GENERAL INFORMATION:
APPLICANT: Martin David Tilson
TITLE OF INVENTION: PURIFIED AND RECOMBINANT ANTIGENIC
TITLE OF INVENTION: PROTEINS ASSOCIATED WITH ABDOMINAL AORTIC ANBURYM (AAA)
TITLE OF INVENTION: DISEASE, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSED: COOPER & Dunham LLP
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                                                   Gaps
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85.3%; Score 29; DB 2; Length 235; 85.7%; Pred. No. 86;
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85.7%; Pred. No. 88;
tive 1; Mismatches 0; Indels
                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBW PC compatible
COMPUTER: IBW PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOGTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
FLING DATE: 07-MAR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
COUNTRY: U.S.A.
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Patent No. 6936698

GENERAL INFORMATION:
APPLICANT: Taylor.
TITLE OF INVENTION: Immunogenicity
TITLE OF INVENTION: Immunogenicity
FILE REFERENCE: P50770
CURRENT APPLICATION NUMBER: US/09/905,243
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/300,970
PRIOR APPLICATION NUMBER: 09/300,970
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 97
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 32
LENGTH: 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 57;
30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUBER: US/08/162,102C
FILING DATE: 10-DEC-1993
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 82.4%; Score 28; DB Best Local Similarity 100.0%; Pred. No. 30; Matches 6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                     ATTORNEY AGENT INFORMATION:
NAME: Haile, Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07300/007001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
INFORMATION FOR SEQ ID NO: 38:
INFORMATION FOR SEQ ID NO: 38:
LENGTH: 57 aming acids
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                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.8
Matches 6; Conservative
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ORGANISM: Pan troglodytes
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LOCATION: (50)...(66)
OTHER INFORMATION: CDRII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein
                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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NAME/KEY: DOMAIN
LOCATION: (24)...(34)
OTHER INFORMATION: CDRI
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51 ASNRAT 56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATT: Keith Weinstock et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
FILE REPERENCE: 107196-132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR APPLICATION NUMBER: US 60/096,409
RIOR APPLICATION NUMBER: US 60/096,409
SEQ ID NOS: 28208
SEQ ID NO 15405
LENGTH: 581
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APPLICANT: Tilson, Martin David
TITLE OF INVENTION: Purified and Recombinant Antigenic Proteins Associated
TITLE OF INVENTION: with Abdominal Aortic Aneurysm (AAA) Disease, and
TITLE OF INVENTION: Disgnostic and Therapeutic use Thereof
FILE REPERENCE: 53862-AZ
CURRENT APPLICATION NUMBER: US/09/535,832A
CURRENT FILING DATE: 2000-03-28
NUMBER OF SEQ ID NOS: 57
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 30
LENGTH: 239
TYPE: PRI
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| Sequence 38, Application US/08162102C|
| Patent No. 5762905|
| Patent No. 5762905|
| Patent No. 5762905|
| APPLICANT: Burton, Dennis R. APPLICANT: Barbas, III, Carlos F. APPLICANT: Carbox, Nobert M. APPLICANT: Carbox, Jr., James E. APPLICANT: Crow, Jr., James E. TITLE OF INVENTION: TO RESPIRALIZING MONOCLONAL ANTIBODIES |
| TITLE OF INVENTION: TO RESPIRATORY SYNCYTIAL VIRUS |
| NUMBER OF SEQUENCES: 49 |
| CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: Fish & Richardson P.C. STREET: 4225 Executive Square, Suite 1400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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                                                                                                                                                                                                                                                                                                                                                    85.3%; Score 29; DB 2; Length 239;
85.7%; Pred. No. 88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
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Pred. No. 2.4e+02;
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100.0%; Pred. No. ...
                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 15405, Application US/09248796A ; Patent No. 6747137 ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Candida albicans
US-09-248-796A-15405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                173 DASNRA 178
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75 DASSRAT 81
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US-09-248-796A-15405
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10666 No. 5770440th Torrey Pines Road, Suite 220,
Mail Drop TPC8
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                                                                                                                                                                                                                                                                                             OPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,575
FILING DATE: 24-JUL-1997
CLASSITCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/276,852
FILING DATE: 10-JUL-1994
APPLICATION NUMBER: US 08/178,302
FILING DATE: 30-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/954,148
FILING DATE: 30-SEP-1992
ATTONREY/AGENT INPORMATION:
NAME: FILLING, Thomas
REGISTRATION NUMBER: 34,163
REGISTRATION NUMBER: 34,163
REGISTRATION NUMBER: 34,163
REBERENCE/DOCKET NUMBER: 34,163
TELEPRAN: 619-554-2937
TELEPRAN: 619-554-2937
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                         ZIP: 92037
COMPUTER READABLE FORM:
MEDUIN TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS_DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 619-554-6312
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       : 107 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , MOLECULE TYPE: protein US-08-899-575-87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               50 ASNRAT 55
                                                                      La Jolla
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 ASNRAT 7
                                                                                                                                   USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
            STREET:
STREET:
CITY: La
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-899-575-87
                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
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RESULT 37
US-08-276-882-87
is Sequence 87, Application US/08276852
js Fatent No. 5652138
j GENERAL INFORMATION:
j APPLICANT: Barbas, Carlos R
j APPLICANT: Barner, Richard A
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
j TITLE OF SEQUENCES: 170
CORRESPONDENCE ADDRESS:
j ADDRESSEE: The Scripps Research Institute, Office of ADDRESSEE: Patent Counsel
j STREET: 10666 No. 5652138th Torrey Pines Road, Suite 220,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 38
US-08-999-575-87

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MEDTION TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/276,852
FILING DATE: 18-JUL-1994
CLASSIFICATION NUMBER: US/08/276,852
FILING DATE: 18-JUL-1994
CLASSIFICATION NUMBER: US/08/178,302
FILING DATE: 30-SEP-1993
PRIOR APPLICATION NUMBER: US/05-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 34,163
FILING DATE: 10-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: Fitting, Thomas
REGISTRATION NUMBER: 34,163
REFERENCE/OCKET NUMBER: 34,163
REFERENCE/OCKET NUMBER: 34,163
REFERENCE/OCKET NUMBER: SCR1452P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-554-6312
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
LINFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
LINFORMATION COLIDS
TYPE: amino acid
TYPE: amino acid
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Best Local Similarity 100.
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// MOLECULE TYPE: protein
US-08-276-852-87
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STATE: CA
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US-09-438-954-40

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sequence 40, Application US/09438954

sequence 40, Application US/09438954

sequence 40, Application US/09438954

sequence 40, Application US/09438954

sequence 40, Application:
APPLICANT: PARK, Sung Sup

APPLICANT: RANG, Young Jun

APPLICANT: RANG, Chang-Yuil

APPLICANT: RANG, Chang-Yuil

APPLICANT: RANG, Chang-Yuil

TITLE OF INVENTION: HUMANIZED ANTIBODY SPECIFIC FOR HUMAN 4-1BB AND

TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION COMPRISING SAME

TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION COMPRISING SAME

CURRENT APPLICATION NUMBER: US/09/438,954

CURRENT FILING DATE: 1999-11-12

NUMBER OF SEQ ID NOS: 49

SEQ ID NO 40

LENGTH: 107
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APPLICATION NUMBER: US/08/899,575
FLING DATE: 24-UUL-1997
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/276,852
FILING DATE: 30-SEP-1993
FILING DATE: 30-SEP-1993
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 07/954,148
FILING DATE: 30-SEP-1992
ATTORNEY/AGENT INFORMATION:
MARE: FILING DATE: 31-SEP-1992
ATTORNEY/AGENT INFORMATION:
FILING DATE: 30-SEP-1992
ATTORNEY/AGENT INFORMATION:
FILING DATE: 31-SEP-1992
ATTORNEY/AGENT NUMBER: 34.163
FELECOMMUNICATION INFORMATION:
TELECHONE: 619-554-6312
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARCTERISTICS:
LENGTH: 107 amino acids
TOPOLOGY: linear
TOPOLOGY: linear
TOPOLOGY: linear
TOPOLOGY: protein
US-08-899-575-87
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 6; Conservative
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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Copyright (c) 1993 - 2005 Compugen Ltd
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US-11-009-731-68
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US-11-099-731-68
US-11-099-731-70
US-10-308-817-33
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Maximum Match 100%
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length: 2000000000
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1 DASNRAT 7
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APPLICANT: Varnum, Brian
APPLICANT: Varnum, Brian
APPLICANT: Varian, Alison
APPLICANT: Vazina, Chris
APPLICANT: Word, Lu Min
APPLICANT: Qian, Xueming
TITLE OF INVENTION: Therapeutic Human Anti-IL-1R Monoclonal Antibody
FILE REFERENCE: 01,1554
CURRENT APPLICATION NUMBER: US/10/656,769
CURRENT FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin version 3.0
SEQ ID NO 72
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APPLICANT: Baadsgaard, Ole
APPLICANT: Huang, Haichun
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST CD20
FILE REFERENCE: GMI-055
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST CD30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 34; DB 4; Length 7; 100.0%; Pred. No. 1.7e+06; tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.7e+06;
iive 0; Mismatches 0;
                       FILE REFERENCE: MXI-180
CURRENT APPLICATION NUMBER: US/10/338,366
CURRENT FILING DATE: 2003-01-07
PRIOR APPLICATION NUMBER: US 60/347649
PRIOR FILING DATE: 2002-01-09
PRIOR FILING DATE: 2002-01-9
PRIOR FILING DATE: 2002-08-19
PRIOR FILING DATE: 2002-12-06
NUMBER OF SEQ ID NOS: 53
SEQ ID NO 34
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Publication No. US20040167319A1
GENERAL INFORMATION:
APPLICANT: Teeling, Jessica
APPLICANT: Ruuls, Sigrid
APPLICANT: Glennie, Martin
APPLICANT: Van de Winkel, Jan
APPLICANT: Parren, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 72, Application US/10656769
Publication No. US20040097712A1
GENERAL INFORMATION:
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
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; ORGANISM: Homo sapiens
US-10-338-366-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
CORGANISM: Homo sapiens
US-10-656-769-72
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US-10-687-799-17
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                                                                                                                                                                                                                           APPLICANT: Centocor, Inc.
APPLICANT: Giles-Komar, Jill
APPLICANT: Giles-Komar, Jill
APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REFERENCE: CEN 249
CURRENT APPLICATION NUMBER: US/09/920,267C
CURRENT FILING DATE: 2001-08-01
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 5
LENGTH: 7
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Publication No. US20030232387A1

GENERAL INFORMATION:

APPLICANT: Lu. Chafen

TITLE OF INVENTION: Antibodies that bind alphaE Integrin

TITLE OF INVENTION: Antibodies that bind alphaE Integrin

TITLE OF INVENTION: ANTIBODIES: 2025-000

CURRENT PELICATION UNBER: US/10/173,551

CURRENT FILING DATE: 2002-06-14

NUMBER OF SEQ ID NOS: 70

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 34; DB 4; Length 7; 100.0%; Pred. No. 1.7e+06; ive 0; Mismatches 0; Indels
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Sequence 34, Application US/10338366
Publication No. US20040006215A1
GENERAL INFORMATION:
APPLICANT: Reler, Tibor
APPLICANT: Graziano, Robert
APPLICANT: Trem1, John
                                                                                                                                                         Sequence 5, Application US/09920267C Publication No. US20030040044A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 7; Conservative
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Matches 7; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
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1 DASNRAT 7
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Sequence 36, Application US/10396578
Publication No. US20040191260A1
GENERAL INFORMATION:
APPLICANT: Reiter, Yoram
APPLICANT: Cohen, Cyril J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 25563
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Centocor, Inc.
APPLICANT: Centocor, Inc.
APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Snyder, Linda
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REFERENCE: CEN 249 CIPNP
CURRENT APPLICATION NUMBER: US/10/720,323
CURRENT FILING DATE: 2003-11-24
PRIOR PFLICATION NUMBER: 60/223,363
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 5
LENGTH: 7
HAPPLICANT: Huang, Haichun

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST CD20

FILE REPERBERGE: GMI-055

CURRENT APPLICATION NUMBER: US/10/687,799

CURRENT FILING DATE: 2003-10-17

PRIOR FILING DATE: 2002-10-17

PRIOR FILING DATE: 2002-10-17

PRIOR FILING DATE: 2002-10-17

PRIOR FILING DATE: 2002-10-17

NUMBER: PROFICE TOWN NUMBER: US 60/460,028

NUMBER: OF SEQ ID NOS: 57

SOFTWARE: FastEEQ for Windows Version 4.0

SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 34; DB 4; Length 7; 100.0%; Pred. No. 1.7e+06;
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CURRENT FILING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/10720323
Publication No. US20040185507A1
GENERAL INFORMATION:
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Best Local Similarity 100...
7; Conservative
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Best Local Similarity 100...
7; Conservative
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US-10-687-799-29
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US-10-720-323-5
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APPLICANT: Ruls, Sigrid
APPLICANT: Ruls, Sigrid
APPLICANT: Glennie, Martin
APPLICANT: Glennie, Martin
APPLICANT: Van de Winkel, Jan
APPLICANT: Parren, Paul
APPLICANT: Perersen, Jorgen
APPLICANT: Haang, Haichun
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST CD20
FILE REFERENCE: GMI-055
CURRENT APPLICATION NUMBER: US/10/687,799
CURRENT APPLICATION NUMBER: US 60/419,163
PRIOR PILING DATE: 2002-10-17
PRIOR PILING DATE: 2002-10-17
PRIOR FILING DATE: 2002-0-10-17
PRIOR SPLING DATE: 2002-0-6-02
NUMBER OF SEQ ID NOS: 57
SOCTWARE: FastSEQ for Windows Version 4.0
LEMATH: 7
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  CURRENT APPLICATION NUMBER: US/10/687,799;
CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: US 60/419,163
PRIOR FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: US 60/460,028
PRIOR APPLICATION NUMBER: US 60/460,028
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.0
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; Sequence 23, Application US/10687799
; Publication No. US20040167319A1
; GENERAL INFORMATION:
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Publication No. US20040167319A1
GENERAL INFORMATION:
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APPLICANT: Rulls, Sigrid
APPLICANT: Glennie, Martin
APPLICANT: van de Winkel, Jan
APPLICANT: Perren, Paul
APPLICANT: Petersen, Jorgen
APPLICANT: Baadsgaard, Ole
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-799-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-10-687-799-23
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Publication No. US20050070694A1
GENERAL INFORMATION:
APPLICANT: Gelfanova, et al., Valentina
TITLE OF INVENTION: Antagonistic Anti-hTWFSF13b Human Antibodies
FILE REFERENCE: X-15239
CURRENT APPLICANTION NUMBER: US/10/484,790A
CURRENT FILING DATE: 2004-01-22
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin version 3.3
SEQ ID NO 6
LENGTH: 7
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APPLICANT: AMBIGNADING, DOLLING
APPLICANT: GREENOUGH, Thomas
APPLICANT: USCHRIAGA, Katherine
APPLICANT: USCHRIAGA, Katherine
APPLICANT: BABCOCK, Gregory J.
APPLICANT: THOMAS, MR. William D.
APPLICANT: THOMAS, MR. WILLIAM JOHN
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: MJI-002
CURRENT APPLICATION NUMBER: US 60/56595
PRIOR APPLICATION NUMBER: US 60/56595
PRIOR PILING DATE: 2004-04-26
PRIOR APPLICATION NUMBER: US 60/545670
PRIOR APPLICATION NUMBER: US 60/545670
PRIOR APPLICATION NUMBER: US 60/545670
PRIOR APPLICATION NUMBER: US 60/545670
PRIOR APPLICATION NUMBER: US 60/545670
PRIOR APPLICATION NUMBER: US 60/545670
PRIOR PILING DATE: 2003-10-09
PRIOR FILING DATE: 2003-10-09
PRIOR FILING DATE: 2003-10-09
PRIOR FILING DATE: 2003-10-09
PRIOR FILING DATE: 2003-10-09
SOFTWARE OF SEQ ID NOS: 148
SOFTWARE FREERE FASEER FOR WINDOWN Version 4.0
                                                                                                   Query Match 100.0%; Score 34; DB 5; Length 7; Best Local Similarity 100.0%; Pred. No. 1.7e+06; Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.7e+06;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 12
US-10-911-838-11
; Sequence 11, Application US/10911838
; Publication No. US20050069869A1
; PUBLICANT: AMBROSINO, Donna
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Best Local Similarity luv...
7; Conservative
; ORGANISM: Homo sapiens
US-10-883-020-17
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ORGANISM: Homo sapiens
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US-10-396-578-84

US-10-396-578-84

Sequence 84, Application US/10396578

Publication No. US20040191260A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE 
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                                                                                                                                                                                                          ) OTHER INFORMATION: Sequence of complementarity determining region of Fab , OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex. US-10-396-578-36
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Publication No. US20050048070A1
GENERAL INFORMATION:
APPLICANT: Ditzel, Henrik
APPLICANT: Jensenius, Jens
TITLE OF INVENTION: Cancer-Associated Epitope;
FILE REFRENCE: 1361.017US1
CURRENT APPLICATION NUMBER: US/10/883,020;
CURRENT APPLICATION NUMBER: US/10/883,020;
PRIOR APPLICATION NUMBER: US/2037
PRIOR APPLICATION NUMBER: US 60/345,208;
PRIOR FILING DATE: 2003-01-03;
PRIOR FILING DATE: 2002-01-03;
NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSEQ for Windows Version 4.0;
; LENGTH: 7

TYPE: PRT
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ORGANISM: Artificial sequence
                                                                                                          TYPE: PRT ORGANISM: Artificial sequence
       SOFTWARE: PatentIn version 3.2
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Best Local Similarity 100.
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Matches 7; Conservative
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1 DASNRAT 7
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US-10-883-020-17
                                       SEQ ID NO 36
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Sequence 84, Application US/11074803

Sequence 84, Application US/11074803

Publication No. US20050152912A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Reiter, Yorian

APPLICANT: Cohen, Cyril J.

TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 29361

CURRENT APPLICATION NUMBER: US/11/074,803

CURRENT PILLING DATE: 2005-03-09

NUMBER OF SEQ ID NOS: 97

SOFTWARE: Patentin version 3.2

SEQ ID NO 84

LENGTH: 7
                                                                                                                                                                                              Publication No. US2005012912A1

Publication No. US2005012912A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTICEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THERROF
TITLE OF INVENTION: AND USES THERROF
TITLE OF INVENTION: AND USES THERROF
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TITLE OF INVENTION: AND USES THERROF
THERROF APPLICATION WOMBER: US/11/074,803
CURRENT PILING DATE: 2005-03-09
NUMBER OF SEQ ID NOS: 97
SEQ ID NO 36
ILENGTH: 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Sequence of complementarity determining region of Fab; OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex. US-11-074-803-84
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100...
7, Conservative
                                                   1 DASNRAT 7
                                                                              1 DASNRAT 7
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                                                                                                                                                                                                                                                                        ## Sequence 123, Application US/10891658

## Sequence 123, Application US/10891658

## Publication No. US20050074821A1

## GENERAL INFORMATION:

## APPLICANT: Treanor, James

## APPLICANT: Huang, Haichun

## APPLICANT: Huang, Haichun

## APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: Martin, Frank

## TITLE OF INVENTION: Unhibitors

## FILE REFERENCE: 02-1240

## CURRENT FILING DATE: 2004-07-15

## PRIOR APPLICATION NUMBER: US 60/487,431

## PRIOR APPLICATION NUMBER: US 60/487,431

## NUMBER OF SEQ ID NOS: 138

## SOFTWARE: PatentIn version 3.0

## SOFTWARE: PatentIn version 3.0

## SOFTWARE: PatentIn version 3.0
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APPLICANT: Kenneth, Wild
APPLICANT: Treanor, James
APPLICANT: Huang, Haichun
APPLICANT: Inoue, Heather
APPLICANT: APPLICANT: And His J.
APPLICANT: Marth. Frank
TITLE OF INVENTION: Inhibitors
FILLE REFERENCE: 02-1240
CURRENT APPLICATION NUMBER: US/10/891,658
CURRENT FILING DATE: 2004-07-15
PRIOR PPLICATION NUMBER: US 60/487,431
PRIOR FILING DATE: 2003-07-15
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PatentIn version 3.0
SEQ ID NO 129
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                          Length 7;
                      100.0%; Score 34; DB 5; Length 7; 100.0%; Pred. No. 1.7e+06; ive 0; Mismatches 0; Indels
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Query Match
Best Local Similarity 100.
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CORGANISM: homo sapien
US-10-891-658-123
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; ORGANISM: homo sapien
US-10-891-658-129
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Best Local Similarity
Matches 7; Conserva
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Best Local Similarity
Matches 7; Conserv
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US-10-891-658-123
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100.0%; Score 34; DB 6; Length 7;
              RESULT 20

US-11-009-731-70

Sequence 70, Application US/11009731

Publication No. US20050191293A1

GENERAL INFORMATION:

APPLICANT: DESHEANDE, Shirkant

APPLICANT: SRINIVASAN, Mohan

APPLICANT: SRINIVASAN, Mohan

APPLICANT: CARBARELLI, Josephine M.

APPLICANT: RARBARELLI, Josephine M.

APPLICANT: RARBARELLI, Josephine M.

APPLICANT: RARBARELLI, Tobacphine M.

APPLICANT: RASSMORE, David

APPLICANT: RASSMORE, David

APPLICANT: REIRSTEAD, Hans S.

APPLICANT: LANE, Thomas B.

APPLICANT: LANE, Thomas B.

APPLICANT: LANE, Thomas B.

CURRENT APLICANT: ILU, Michael T.

TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES

FILE REFERENCE: WXI-312

CURRENT APPLICATION NUMBER: US/11/009, 731

CURRENT PILING DATE: 2003-12-10

PRIOR FILING DATE: 2003-12-10

NUMBER OF SEQ ID NOS: 126

SEQ ID NO 70

FUNDARIA: PASSED FOR WINDOWS VERSION 4.0
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KIJNG, L.

KOPETEKI, E.

AT: PARREN, PAUL

JANT: REBERS, PRANK

JICANT: STEINER, BEAT

PLICANT: STEIN, ANNE

APPLICANT: STEEN, ANNE

APPLICANT: STEEN, ANNE

APPLICANT: STEEN, ANNE

APPLICANT: VAN UGT, WAKEL, JAN

APPLICANT: VAN UGT, WAKTINE

TITLE OF INVENTION: ANTI-P SELECTIN ANTIBODIES

FILE REFERENCE: 22354

CURRENT APPLICATION NUMBER: EP 04008722.3

PRIOR APPLICATION NUMBER: EP 04008722.3

PRIOR APPLICATION NUMBER: EP 04008722.3

SOFTWARE PATING DATE: 2004-04-13

NUMBER OF SEQ ID NOS: 55

SOFTWARE PATING

ILENGTH: T

"YPE: PRI

"YPE: PRI

"NISM: Homo sapiens

"03-45
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100.0%; Pred. No. 1.7e+06;
tive 0; Mismatches 0;
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APPLICANT: HIMBER, JACQUES
APPLICANT: JANSEN-MOLENAR, MIRANDA
APPLICANT: KLING, DOROTHEE
APPLICANT: KOPETZKI, ERHARD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-11-102-403-45; Sequence 45, Application US/11102403; Publication No. US20050226876A1; GENERAL INPORMATION:
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Best Local Similarity 100.
Matches 7; Conservative
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US-11-009-731-70
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CURRENT APPLICATION NUMBER: 60/529180
PRIOR FILING DATE: 2004-12-10
PRIOR FILING DATE: 2003-12-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FREUSEQ FOR Windows Version 4.0
SEQ ID NO 68
                                                                                                                                                                                                                                                                                        APPLICANT: LIU, Michael T.
TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES
FILE REFERENCE: MXI-312
CURRENT APPLICATION NUMBER: US/11/009,731
CURRENT FILING DATE: 2004-12-10
PRIOR APPLICATION NUMBER: 60/529180
PRIOR FILING DATE: 2003-12-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 63
LENGTH: 7
LENGTH: 7
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100.0%; Pred. No. 1.7e+06;
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                                                                   APPLICANT: DESHPANDE, Shirkant
APPLICANT: HUANG, Haichun
APPLICANT: SRINIVASAN, Mohan
APPLICANT: CARDARELLI, Josephine M.
APPLICANT: WANG, Changyu
APPLICANT: PASSWORE, David
APPLICANT: RANGAN, Vangipuram
APPLICANT: Thomas E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PUDLICATION:
GENERAL INFORMATION:
APPLICANT: DESHPANDE, Shirkant
APPLICANT: HUANG, Haichun
APPLICANT: SRINIVASAN, Mohan
APPLICANT: CARDARELLI, JOSEPHINE M.
; Sequence 63, Application US/11009731; Publication No. US20050191293A1; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 7; Conservative
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ORGANISM: Homo sapiens
US-11-009-731-63
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ORGANISM: Homo sapiens
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100.0%; Score 34; DB 4; Length 95; 100.0%; Pred. No. 7.5;
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; Sequence 33, Application US/10308817
; Publication No. US20030219861A1
; GENERAL INFORMATION:
; APPLICANT: Rother, Russell
; APPLICANT: Wu, Dayang
TITLE OF INVENTION: HYBRID ANTIBODIES
; FILE REFERENCE: 1087-37
; CURRENT APPLICATION NUMBER: US/10/308,817
; CURRENT FILING DATE: 2002-12-03
; NOWBER OF SEQ ID NOS: 195
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
FRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: Patentin version 3.1
SEQ ID NO 87
LENGTH: 95
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APPLICANT: Wu, Dayang
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SEQ ID NO 34
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-10-194-975-87
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; ORGANISM: human
US-10-308-817-33
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ORGANISM: human
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US-10-394-471B-13
US-10-394-471B-13
US-10-394-471B-13
Sequence 13, Application US/10394471B
PUblication No. US20040185047A1
GENERAL INFORMATION:
APPLICANT: GIAGE-KOMEA, Jill; Carton, Jill; Scallon, Bernard J.
TITLE OF INVENTION: ANTI-TNF ANTIBODIES, COMPOSITIONS, METHODS AND UŞES
FILE REFERENCE: CEN0202
CURRENT APPLICATION NUMBER: US/10/394,471B
CURRENT FILING DATE: 2003-03-21
PRIOR APPLICATION NUMBER: 60/367,903
PRIOR APPLICATION NUMBER: 60/367,903
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver 3.1
SEQ ID NO 13
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                       0; Indels
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100.0%; Pred. No. 1.7e+06;
cive 0; Mismatches 0;
    100.0%; Pred. No. 1.7e+06;
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US-10-194-975-86

i Sequence 86, Application US/10194975

i Publication No. US20030039649A1

i GENERAL INFORMATION:
   APPLICANT: Foote, Jefferson

TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01

CURRENT APPLICATION NUMBER: US/10/194,975

CURRENT FILING DATE: 2002-10-10

PRIOR FILING DATE: 2001-07-12

NUMBER OF SEQ ID NOS: 122

SOFTWARE: PatentIn version 3.1

SEQ ID NO 86

LENGTH: 95
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US-10-194-975-87
Sequence 87, Application US/10194975
Sequence 87, Application No. US20030039649A1
GENERAL INPORMATION:
APPLICANT: Foote, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
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Best Local Similarity 100.
                         7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-194-975-86
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    Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: WANG, Changyu
APPLICANT: PASSMORE, David
APPLICANT: RANGAN, Vangipuram
APPLICANT: RANGAN, Vangipuram
APPLICANT: LANE, Thomas E.
APPLICANT: LIU, Michael T.
TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES
FURRENT APPLICATION NUMBER: US/11/009,731
CURRENT APPLICATION NUMBER: 2004-12-10
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APPLICANT: Lazar, Gregory Alan
APPLICANT: Desjarlais, John Rudolf
APPLICANT: Marshall. Shannon Alicia
APPLICANT: Desjarlais, John Rudolf
TITLE OF INVENTION: ANTIBODY OPTIMIZATION
FILE REFERENCE: A-71386-3 463077-236
CURRENT APPLICATION NUMBER: US/10/379,392
CURRENT FILING DATE: 2003-03-03
PRIOR APPLICATION NUMBER: US 60/360,843
PRIOR APPLICATION NUMBER: US 60/360,843
PRIOR FILING DATE: 2002-03-01
PRIOR FILING DATE: 2002-03-01
SOFTWARE: PARENTALING DATE: 2002-03-01
FILING PAPELICATION NUMBER: US 60/384,197
FILING DATE: 2002-05-29
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 95
                          60/384,197
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SRINIVASAN, Mohan
CARDARELLI, Josephine M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 94, Application US/10379392
Publication No. US20040110226A1
GENERAL INFORMATION:
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PRIOR FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: US 60/2;
PRIOR FILING DATE: 2002-05-29
NUMBER OF SEQ ID NOS: 184
SCOTTWARE: Patentin version 3.2
SEQ ID NO 93
LENGTH: 95
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Best Local Similarity 100.
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Best Local Similarity 100.
                                                                                                                                                TYPE: PRT
, ORGANISM: Homo sapiens
US-10-379-392-93
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US-10-379-392-94
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US-10-379-392-94
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Fublication No. US20040110226A1
GENERAL INFORMATION:
APPLICANT: Lazar, Gregory Alan
APPLICANT: Desjarlais, John Rudolf
APPLICANT: Dehiyat, Bassil I.
TILE OF INVENTION: ANTIBODY OPTIMIZATION
FILE REFERENCE: A-71386-3 463077-236
CURRENT APPLICATION NUMBER: US/10/379,392
CURRENT APPLICATION NUMBER: US/003-03-03,
PRIOR APPLICATION NUMBER: US 60/360,843
                                                                                                                          US-101.5.
US-10.453-698-33
Sequence 33, Application US/10453698
Sequence 33, Application US/10453698
Sequence 33, Application US/10453698
GENERAL INFORMATION:
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFRENCE: 82 CIP (1087-37 CIP)
CURRENT APPLICATION NUMBER: US/10/453,698
CURRENT FILING DATE: 2003-06-03
NUMBER OF SEQ ID NOS: 196
SOFTWARE: PatentIn version 3.2
SENGTHANS: PatentIn version 3.2
LENGTH: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Rother, Russell
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 82 CIP (1087-37 CIP)
CURRENT APPLICATION NUMBER: US/10/453,698
CURRENT FILING DATE: 2003-06-03
NUMBER OF SEQ ID NOS: 196
SOFTWARE: Petentin version 3.2
SEQ ID NO 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 34, Application US/10453698
; Publication No. US20040038308A1
; GENERAL INFORMATION:
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Matches 7; Conservative
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                              DASNRAT S6
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Best Local Similarity
Matches 7; Conserv
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      DASNRAT 7
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; ORGANISM: human
US-10-453-698-34
                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: human
US-10-453-698-33
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US-10-379-392-93
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Sequence 9, Application US/08844215
Publication No. US20020016445A1
GENERAL INFORMATION:
APPLICANT: PERSON, MATS AXEL
APPLICANT: ALLANDER, TOBIAS ERIK
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES SPECIFIC FOR TITLE OF INVENTION: HEPATITIS C VIRUS (HCV) E2 ANTIGEN NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                      Query Match 100.0%; Score 34; DB 5; Length 102; Best Local Similarity 100.0%; Pred. No. 8.1; Matches 7; Conservative 0; Mismatches 0; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                     TYPE: PRT
CRGANISM: Artificial Sequence
PRATURE:
OTHER INFORMATION: Synthetically generated peptide
US-10-916-840-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Artificial Sequence FATURE: PEATURE: OTHER INFORMATION: Synthetically generated peptide US-10-916-840-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Hufton, Simon E.
APPLICANT: Hoet, Rene
APPLICANT: Hoet, Rene
APPLICANT: Pieters, Henk
APPLICANT: Rene, Rachel Baribault
TPLE OF INVENTION: TEL-BINDING LIGANDS
FILE REFERENCE: 10280-083001
CURRENT APPLICATION NUMBER: US/10/916,840
CURRENT FILING DATE: 2004-08-12
PRIOR APPLICATION NUMBER: US 60/494,713
PRIOR PILING DATE: 2003-08-12
NUMBER OF SEQ ID NOS: 161
SEQ ID NO 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: ROBINS & ASSOCIATES
STREET: 90 MIDDLEFIELD ROAD, SUITE 200
CITY: MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-916-840-38
, Sequence 38, Application US/10916840
; Publication No. US20050136053A1
; GENERAL INFORMATION:
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100.0%; Pred. No. 8.1;
Live 0; Mismatches 0; Indels
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US-10-916-840-26
i Sequence 26, Application US/10916840
i Publication No. US20050136053A1
i GENERAL INFORMATION:
i APPLICANT: Hueton, Simon B.
i APPLICANT: Hoet. Rene
APPLICANT: Hoet. Rene
APPLICANT: Rockey, Kristen
i APPLICANT: Rockey, Kristen
i TITLE OF INVENTION: TIE1-BINDING LIGANDS
FILE REFERENCE: 10280-083001
CURRENT APPLICATION NUMBER: US/10/916,840
CURRENT FILING DATE: 2004-08-12
FRIOR FILING DATE: 2003-08-12
i NUMBER OF SEQ ID NOS: 161
i SOFTWARE: FastSEQ for Windows Version 4.0
i SENGIT HOOSE IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN INDICEST IN I
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PRIOR FILING DATE: 2003-12-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 96
LENGTH: 101
TYPE: PRI
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
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Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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| 50 DASNRAT 56
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51 DASNRAT 57
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PRIOR APPLICATION UNMER: 60/394,352
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-09-18
PRIOR FILING DATE: 2002-09-18
NUMBER OF SEQ ID NOS: 153
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 106
TYPE: RRT
ORGANISM: Homo sapiens
US-11-021-715-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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US-09-791-153A-69
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Publication No. US20050208596A1
GENERAL INFORMATION:
APPLICANT: Siegel, Donald L.
TITLE OF INVENTION: COMPOSITIONS, METHODS AND KITS RELATING TO ANTI-PLATELET
TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF
FILE REFERENCE: 053893-5050
CURRENT APPLICATION NUMBER: US/11/021,715
CURRENT PILING DATE: 2004-12-23
PRIOR APPLICATION NUMBER: PCT/US03/21304
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Publication No. US20030219733A1

Publication No. US20030219733A1

GENERAL INFORMATION:

APPLICANT Clark et al.

TITLE OF INVENTION: ANTIBODY GENE TRANSFER AND RECOMBINANT AAV THEREFOR

FILE REFERENCE: 28335/3928

CURRENT PPLICATION NUMBER: US/10/409,938

CURRENT PILING DATE: 2003-04-09

PRIOR FILING DATE: 2002-04-09

NUMBER OF SEQ ID NOS: 25

SOFTWARE: Patentin version 3.1

SEQ ID NO 19
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100.0%; Score 34; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 8.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/844,215
FILING DATE: 17-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/635,109
FILING DATE: 19-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: MCCRACKEN THOWAS P.
REGISTRATION NUMBER: 38,548
REFERENCE/DOCKET NUMBER: 80.46.002
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPRAX: (650) 325-7812
TELEPRAX: (650) 325-7813
INFORMATION FOR SEQ ID NO: 9: SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acid
TYPE: amino acid
TYPE: amino acid
STRANDENESS: single
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Matches 7; Conservative
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CORGANISM: Homo sapiens
US-10-409-938-19
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US-11-021-715-99
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Sequence 71, Application US/09791153A
; Sequence 71, Application US/09791153A
; Publication No. US20030103978A1
; GENERAL INPORMATION:
; APPLICANT: Deshpande, Rajendra
; APPLICANT: Hitz, Anna
; APPLICANT: Boyle, William
; APPLICANT: Sullivan, John
; TITLE OF INVERTION: SLEECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
; FILE REFERENCE: A-6.3A
; CURRENT APPLICATION NUMBER: US/09/791,153A
; CURRENT APPLICATION NUMBER: 09/511,139
PRIOR PILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 71
; LENGTH: 107
                                                                                                                                                                                                                                                                   Sequence 69, Application US/09791153A

Sequence 69, Application US/09701153A

Jublication No. US20030103978A1

GENERAL INFORMATION:
APPLICANT: Deshpande, Rajendra
APPLICANT: Hitz, Anna
APPLICANT: Boyle, William
APPLICANT: Sullivan, John
TITLE OF INVENTION: SLECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
FILER REFERENCE: A.633A
CURRENT APPLICATION NUMBER: US/09/791,153A
CURRENT APPLICATION NUMBER: 09/511,139
PRIOR FILING DATE: 2000-02-23
NUMBER OF SEQ ID NOS: 154
SOFTWARE: Patentin version 3.0
SEQ ID NO 69
SEQ ID NO 69
LENGTH: 107
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Query Match 100.0%; Score 34; DB 6; Length 106; Best Local Similarity 100.0%; Pred. No. 8.4; Matches 7; Conservative 0; Mismatches 0; Indels
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RESULT 40
US-09-982-464-2
; Sequence 2, Application US/09982464
; Publication No. US20330120044A1
; GENERAL INFORMATION;
; APPLICANT: Watkins, Jeffry
APPLICANT: Wu, Herzen
; TITLE OF INVENTION: Methods of Optimizing Antibody Variable Region Binding Affinity
; TITLE OF INVENTION NUMBER: US/09/982,464
; CURRENT APPLICATION NUMBER: US/09/982,464
; CURRENT FILING DATE: 1999-11-04
; PRIOR PELICATION NUMBER: 09/434,870
; PRIOR PELICATION NUMBER: 60/159,669
; PRIOR FILING DATE: 1999-10-14
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 2
; LENGTH: 107
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100.0%; Score 34; DB 3; Length 107;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                         Query Match 100.0%; Score 34; DB 3; Length 107; Best Local Similarity 100.0%; Pred. No. 8.5; Matches 7; Conservative 0; Mismatches 0; Indels
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-153A-71
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ORGANISM: Homo sapiens
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                                                                                                                07:25:44 ; Search time 2.17241 Seconds (without alignments) 21.698 Million cell updates/sec
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2: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
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5: /cgn2_6/ptodata/1/pubpaa/PUSIO_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/USIO_NEW_PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/USII_NEW_PUB.pep:*
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US-11-073-112-18
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                 GenCore version
Copyright (c) 1993 - 2005
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Listing first 100 summaries
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publication No. US20050266008A1

GENERAL INFORMATION

APPLICANT: Graziano, Robert

APPLICANT: Kempe, Thomas

APPLICANT: Cutter, Beth

APPLICANT: Cutter, Beth

TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES

FILE REFERENCE: 04280/1201101-US1

CURRENT APPLICATION NUMBER: US/11/093,274

CURRENT APPLICATION NUMBER: 06/557,741

PRIOR APPLICATION NUMBER: 60/557,741

PRIOR APPLICATION NUMBER: 60/557,741

SOFTWARE: PatentIn version 3.2

SEQ ID NO 33

LENGTH DO 33
                                                             GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Kempe, Thomas
APPLICANT: Cutter, Beth
TITLE OF INVENTION: IRTA-5 ANTHEODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT FILING DATE: 2005-03-28
FRIOR PELICATION NUMBER: 60/557,741
FRIOR FILING DATE: 2004-03-29
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin Version 3.2
SEQ ID NO 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 86, Application US/11054669
; Publication No. US20050261480A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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                                     Sequence 15, Application US/11093274
Publication No. US20050266008A1
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ORGANISM: Homo sapiens
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Publication No. US20050266008A1

GENERAL INFORMATION:
APPLICANT: Graziano, Robert
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cutter, Beth
APPLICANT: Cutter, Beth
APPLICANT: Cutter, Beth
APPLICANT: Cutter, Beth
APPLICANT: Cutter, Beth
APPLICANT: Sinivasan, Mohan
TITLE OF INVENTION IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT FILING DATE: 2005-03-28

PRIOR FILING DATE: 2004-03-29
NUMBER OF SEQ ID NOS: 41

SOFTWARE: Patentin version 3.2

LENGTH: 7
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Sequence 14, Application US/11093274

Sequence 14, Application US/11093274

Publication No. US20050266008A1

GENERAL INFORMATION:
APPLICANT: Gardarelli, Josephine M.
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Carter Beth
APPLICANT: Srinivasan, Mohan
TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT FELICATION NUMBER: 05/11/093,274
CURRENT FELICATION NUMBER: 60/557,741

PRIOR FILING DATE: 2005-03-28

PRIOR FILING DATE: 2004-03-29

NUMBER OF SEQ ID NOS: 41

SOFTWARE: Patentin version 3.2
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100.0%; Pred. No. 3.9e+04;
cive 0; Mismatches 0;
7 US-11-127-677-62
6 US-10-467-657-3744
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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APPLICANT: INFORTATION:
APPLICANT: Luchrsen, Kenneth
APPLICANT: Luchrsen, Kenneth
APPLICANT: Luchrsen, Kenneth
APPLICANT: Babington, Christopher R.
APPLICANT: Bebington, Christopher R.
APPLICANT: APPLICANT: Arranton, Geoffrey T.
APPLICANT: KaloBios, Inc.
TITLE OF INVENTION: Buinding Determinants
TITLE OF INVENTION: Banding Determinants
FILE REFERENCE: 021167-001730US
CURRENT APPLICATION NUMBER: US/11/040,159
CURRENT APPLICATION NUMBER: US 60/537,364
PRIOR FILING DATE: 2004-01-20
PRIOR FILING DATE: 2004-01-2
PRIOR FILING DATE: 2004-02-23
NUMBER OF SEQ ID NOS: 133
SOFTWARE: Patentin Ver. 2.1
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Sequence 138, Application US/11084554

Publication No. US20050260679A1

GENERAL INFORMATION:

APPLICANT: Kellermann, Sirid-Ai

APPLICANT: Green, Larry L.

APPLICANT: Gover, Wouter

TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN

TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION

FILE REPERBUSCA ABGENIX.100A

CURRENT APPLICATION NUMBER: US/11/084,554

CURRENT FILING DATE: 2005-03-17

PRIOR APPLICATION NUMBER: 60/554,372

PRIOR APPLICATION NUMBER: 60/554,372

PRIOR PILING DATE: 2004-03-19

PRIOR PILING DATE: 2004-03-19

PRIOR PILING DATE: 2004-03-19

PRIOR PILING DATE: 2004-03-16

PRIOR PILING DATE: 2004-03-16

SOFTWARE: FastSEQ for Windows Version 4.0

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; SOFTWARE: FastSEQ for Windows Version 4.0; SEQ ID NO 131; LENGTH: 95; TYPE: PTYPE: PTYPE: PTYPE: PTYPE: PTYPE: PTYPE: US-11-084-554-131
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Matches 7; Conservative
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US-11-084-554-138
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| 50 DASNRAT 56
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| Sequence 131, Application US/11084554
| Publication No. US20050260679A1
| GENERAL INFORMATION:
| APPLICANT: Kellermann, Sirid-Ai
| APPLICANT: Green, Larry L.
| APPLICANT: Korver, Wouter
| TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
| TITLE OF INVENTION: AANTHEODIES THROUGH V GENE MANIPULATION
| FILE REFERENCE: ABGENIX.100A
| CURRENT FILING DATE: 2005-03-17
| PRIOR APPLICATION NUMBER: 60/554,372
| PRIOR APPLICATION NUMBER: 60/554,372
| PRIOR APPLICATION NUMBER: 60/554,372
| PRIOR APPLICATION NUMBER: 60/554,372
| PRIOR APPLICATION NUMBER: 60/554,372
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| PRIOR APPLICATION NUMBER: 60/554,372
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 34; DB 7; Length 95; 100.0%; Pred. No. 0.14; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 87, Application US/11054669
; Publication No. US20050261480A1
; GENERAL INFORMATION:
; APPLICANT: FOOLE, Jefferson
; TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
; FILE REFERENCE: 30219/US/3
; CURRENT APPLICATION NUMBER: US/11/054,669
; CURRENT APPLICATION NUMBER: US 10/194,975
; PRIOR FILING DATE: 2005-07-12
; PRIOR FILING DATE: 2001-07-12
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 124
; SEQ ID NO 87
; LENGTH: 95
                     CURRENT APPLICATION NUMBER: US/11/054,669
CURRENT FILING DATE: 2005-02-08
PRIOR APPLICATION NUMBER: US 10/194,975
PRIOR FILING DATE: 2002-07-12
PRIOR PILING DATE: 2001-07-12
PRIOR PILING DATE: 2001-07-12
SOFTWARE: PAUGHTIN VERBION 3.3
SEQ ID NOS: 124
SOFTWARE: PAUGHTIN VERBION 3.3
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Best Local Similarity 100...
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Best Local Similarity 100.
Matches 7; Conservative
FILE REFERENCE: 30219/US/3
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; ORGANISM: Homo sapiens
US-11-054-669-87
                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-669-86
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US-11-054-669-87
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                                                       100.0%; Score 34; DB 7; Length 108; 100.0%; Pred. No. 0.16;
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                                                                                                                                                                                                                                                                                                                                   GENERAL 14
US-11-093-274-23

| Gequence 23, Application US/11093274
| Publicantion No. US2005056008A1
| GENERAL INFORMATION:
| APPLICANT: Gardarelli, Josephine M. APPLICANT: Cardarelli, Josephine M. APPLICANT: Cutter, Beth APPLICANT: Cutter, Beth APPLICANT: Cutter, Beth APPLICANT: SITING SAIN NOMBER: US/11/093,274
| CURRENT FILING DATE: 2005-03-28 | PRIOR FILING DATE: 2004-03-29 | PRIOR FILING DATE: 2004-03-29 | NUMBER OF SEQ ID NOS: 41 | SOFTWARE: Patentin version 3.2 | SEQ ID NO 23 | LENGTH: 108 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 23 | TVDE ID NO 24 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE ID NO 25 | TVDE 
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REPERENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2003-11-26
RIOR PILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: UF2001-150213
PRIOR APPLICATION NUMBER: UF2001-243040
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-19
PRIOR FILING DATE: 2001-05-10
PRIOR FILING DATE: 2001-05-10
PRIOR FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PARCENTING DATE: 2001-10-11
SOFTWARE: PARCENTING DATE: 2001-10-11
SOFTWARE: PARCENTING DATE: 2001-10-11
SOFTWARE: PARCENTING DATE: 2001-10-11
SOFTWARE: PARCENTING DATE: 2001-10-11
                                   Query Match
Best Local Similarity 100.
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ORGANISM: Homo sapiens
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US-11-093-274-22
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                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence:V-region of OTHER INFORMATION: anti-PcrV antibody 1F1 VL
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Sequence 22, Application US/11093274

Publication No. US2005056608A1

GENERAL INFORMATION:

APPLICANT: Graziano, Robert

APPLICANT: Cardarelli, Josephine M.

APPLICANT: Cutter, Beth

APPLICANT: Cutter, Beth

APPLICANT: Cutter, Beth

APPLICANT: Cutter, Beth

CURRENT APPLICATION UNDABER: US/11/093,274

CURRENT FILING DATE: 2005-03-28

PRIOR PELICATION NUMBER: 05/11/093,274

CURRENT FILING DATE: 2004-03-29

NUMBER OF SEQ ID NOS: 41

SOFTWARE PATENT VERSION 13.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 24, Application US/11093274
; Sequence 24, Application US/11093274
; Publication No. US20050266008A1
; GENERAL INFORMATION:
; APPLICANT: Gardarelli, Josephine M.
APPLICANT: Kempe, Thomas
APPLICANT: Stinivasan, Mohan
; TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
; FILE REFERENCE: 04280/1201101-US1
; CURRENT FILING DATE: 2005-03-28
; PRIOR APPLICATION NUMBER: 60/557,741
; PRIOR FILING DATE: 2004-03-29
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 24
; LENGTH: 107
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                             LENGTH: 107
TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Matches 7; Conserva
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50 DASNRAT 56
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LENGTH: 108
   SEQ ID NO 17
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192 DASNRAT 198
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                                                                                                                         US-10-721-763-19
Sequence 19, Application US/10721763
Sequence 19, Application US/10721763
Publication No. USZOGSO249729A1
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
TITLE OF INVENTION: ANTI TEALL-R ANTIBODY
FILLE REFERENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: JP2001-150213
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 19
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US-10-721-763-23
Sequence 23, Application US/10721763
Sequence 23, Application US/10721763
Sequence 24, Application US/10721763
Sequence 25, Application US/10721763
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
TITLE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REFERENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2003-11-26
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
SPRIOR PRIOR PRIOR DATE: 2001-08-09
SPRIOR PRIOR PRIOR DATE: 2001-08-09
SPRIOR DATE: 2001-08-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1049, Application US/11054515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-721-763-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
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70 DASNRAT 76
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70 DASNRAT 76
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Best Local Similarity
Matches 7; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 DASNRAT 7
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US-11-054-515-1049
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TITLE ROUTENING DATE: 2003-02-10.

FILE REPERENTEDER: ARTICHORIS that Industry that Understanding the PRESENTEDER: ARTICHORIS ARTICHORIS THE PRESENTEDER: ARTICHORIS THE PRESENTEDER: ARTICHORIS DATE: 2003-02-10.

FRICK PRICKATION NUMBER: 05/301,47

FRICK PRICKATION NUMBER: 05/301,47

FRICK PRICKATION NUMBER: 05/301,47

FRICK PRICKATION NUMBER: 05/301,47

FRICK PRICKATION NUMBER: 05/301,49

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Sequence 1454, Application US/10793626
Publication No. US20050255478A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: STAPHYLOCCCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REPERENCE: 191486012
CURRENT APPLICATION NUMBER: US/10/793,626
PRIOR PILIATION NUMBER: 0/164,258
PRIOR PILIATION NUMBER: 0/164,258
PRIOR FILING DATE: 1999-11.09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: ParentIn Ver. 2.1
LENGTH: 125
 GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVEXTUON: Antthodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR PELING DATE: 2004-02-11
PRIOR PELING DATE: 2004-01-13
PRIOR FILING DATE: 2001-11-14
PRIOR PELING DATE: 2001-11-14
PRIOR PELING DATE: 2001-11-14
PRIOR PELING DATE: 2001-11-12-19
PRIOR PELING DATE: 2001-01-12-19
PRIOR PELING DATE: 2001-06-15
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PRIOR PELING DATE: 2001-06-16
PRIOR PELING DATE: 2001-06-16
PRIOR PELING DATE: 2001-06-16
PRIOR PELING DATE: 2001-06-16
 CTHER INFORMATION: Description of Artificial Sequence: synthetic protest INFORMATION: amino acid sequence US-10-793-626-1454
 73.5%; Score 25; DB 7; Length 254; 71.4%; Pred. No. 46; ive 1; Mismatches 1; Indels
 DB 6; Length 125;
22;
 0; Indels
 Query Match 73.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 22; Matches 5; Conservative 0; Mismatches
 Sequence 905, Application US/11054515 Publication No. US20050255532A1
 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
 Query Match 73.5
Best Local Similarity 71.4
Matches 5; Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-905
 37 DASNR 41
 1 DASNR 5
 JS-11-054-515-905
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 Sequence 200, Application US/11096706

Publication No. US20050245476A1

General Prophartion:
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General Prophartion:
General Prophartion:
FILE OF INVENTION: Treatment of Neuropathic Pain with Zinc Finger Proteins
FILE REFERENCE: 019496-0082200S
GURRENT FILING DATE: 2005-04-01
FRIOR PILING DATE: 2004-06
FRIOR FILING DATE: 2004-06
FRIOR FILING DATE: 2004-06-02
FRIOR FILING DATE: 2004-06-02
FRIOR FILING DATE: 2004-06-02
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FRIOR FILING DATE: 2004-06-02
FRIOR FILING DATE: 2004-06-02
FRIOR FILING DATE: 2004-06-02
FRIOR FILING DATE: 2004-06-02
 ; OTHER INFORMATION: Chemically synthesized peptide (zinc finger protein binding ; OTHER INFORMATION: domain)
US-11-096-706-200
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 Sequence 105, Application US/11084554
; Publication No. US2005026679A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Korver, Wouter
TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
FILE REFERENCE: ABGENIX.100A
CURRENT PELICATION NUMBER: 2005-17
PRIOR APPLICATION NUMBER: 60/554,372
PRIOR APPLICATION NUMBER: 60/554,372
PRIOR APPLICATION NUMBER: 60/554,61
PRIOR APPLICATION NUMBER: 60/554,61
PRIOR APPLICATION NUMBER: 60/574,661

PRIOR FILING DATE: 2004-03-19
; PRIOR FILING DATE: 2004-06-24
; NUMBER OF SEQ ID NOS: 266
; SEQ ID NO 105
LENGTH: 96
 85.3%; Score 29; DB 7; Length 96;
85.7%; Pred. No. 2;
sive 1; Mismatches 0; Indels
 76.5%; Score 26; DB 7; Length 7; 71.4%; Pred. No. 3.9e+04; tive 1; Mismatches 1; Indels
 Query Match 76.5
Best Local Similarity 71.4
Matches 5; Conservative
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
US-11-084-554-105
 51 DASSRAT 57
 ORGANISM: Artificial FEATURE:
 1 DASNRAT 7
 1 DASNRAT 7
 DSSNRIT 7
 RESULT 20
US-10-793-626-1454
 US-11-096-706-200
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Length 586;

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Sequence 8134, Application US/10467657

Sequence 8134, Application US/10467657

Publication No. US20050260581A1

GENERAL INPOWATON:

APPLICANT: CHIRON SpA

APPLICANT: FONTANA Maria Rita

APPLICANT: FONTANA Mariagrazia

APPLICANT: MASIGNANI Voga

APPLICANT: MASIGNANI Voga

APPLICANT: MONACI Elisabetta

TITLE NETREBROCE:

CURRENT APPLICATION NUMBER: US/10/467,657

CURRENT FILING DATE: 2003-08-11

PRIOR PLICATION NUMBER: GB-0103424.8

PRIOR FILICATION NUMBER: GB-0103424.8

SOFTWARE: SeqWin99, version 1.04

SEQ ID NO 8334

LENGTH. 856
 US-11-075-185-5
US-11-075-185-5
Sequence 5, Application US/11075185
Publication No. US20050266434A1
GENERAL INFORMATION:
APPLICANT: REEVES, CHRISTOPHER D
APPLICANT: UJULIEN, BRYAN
APPLICANT: RELD, RALPH
TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMBRUTICINS
FILE REFERENCE: 010099.03
CURRENT PELING DATE: 2005-03-07
CURRENT PILING DATE: 2005-03-07
 73.5%; Score 25; DB 7; Length 586 83.3%; Pred. No. 1.1e+02; ative 1; Mismatches 0; Indels
 73.5%; Score 25; DB 6; Les
83.3%; Pred. No. 1.7e+02;
iive 1; Mismatches 0;
 CURRENT FILING DATE: 2005-03-03
PRIOR APPLICATION WUMBER: W5 10/089,211
PRIOR FILING DATE: 2002-02-25
PRIOR FILING DATE: 2000-10-02
PRIOR FILING DATE: 2000-10-02
PRIOR FILING DATE: 1000-10-02
PRIOR PILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 25
SGOTWARE: Patentin version 3.3
LENGTH: 586
 CURRENT APPLICATION NUMBER: US/11/073,112
 CURRENT FILING DATE: 2005-03-07
RICAR APPLICATION NUMBER: US 60/551,103
PRIOR FILING DATE: 2004-03-08
PRIOR APPLICATION NUMBER: US 60/568,290
 , ORGANISM: Neisseria gonorrhoeae US-10-467-657-8534
 , ORGANISM: Aspergillus nidulans
US-11-073-112-18
 Query Match
Best Local Similarity 83.3
Matches 5; Conservative
 Query Match
Best Local Similarity 83.3
Matches 5; Conservative
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649 ASNRST 654
 31 AANRAT 36
 2 ASNRAT 7
 2 ASNRAT 7
 US-10-467-657-8534
 TYPE: PRT
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 APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: PU3480U2
CURRENT APPLICATION NUMBER: US/10/793,626
PRIOR PILIANG DATE: 2004-03-04
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1486
LENGTH: 557
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 OTHER INFORMATION: Description of Artificial Sequence: synthetic; OTHER INFORMATION: amino acid sequence
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 APPLICANT: Hintz et al.
TITLE OF INVENTION: Mannosidases and Methods for using the Same
FILE REFERENCE: 62447-02
 Sequence 4, Application US/11008331
; Publication No. US20050244925A1
; Publication No. US20050244925A1
; GENERAL INFORMATION:
; APPLICANT: Genencor International, Inc.
; TITLE OF INVENTION: Proteases From Gram-Positive Organisms
FILE REFERENCE: GC386-PCT
; CURRENT APPLICATION NUMBER: US/11/008,331
; CURRENT FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: EP9719637.2
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PastSEQ for Windows Version 3.0
; SEQ ID NO 4
; FEATURE OF A SECTION NOW A SECTION 3.0
 73.5%; Score 25; DB 6; Length 557; 100.0%; Pred. No. 1.1e+02; ive 0; Mismatches 0; Indels
 Score 25, DB 7; Length 474;
Pred. No. 90;
1; Mismatches 1; Indels
 Sequence 1486, Application US/10793626 Publication No. US20050255478A1 GENERAL INFORMATION:
 TYPE: PRT ORGANISM: Schizocaccharomyces pombe
 ; Sequence 18, Application US/11073112; Publication No. US20050260627A1; GENERAL INFORMATION:
 73.5%;
71.4%;
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 71.4
Matches 5; Conservative
 Conservative
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290 DASRRST 296
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195 DVSSRAT 201
 Query Match
Best Local Similarity
Laca 5; Conserve
 1 DASNRAT 7
 37 DASNR 41
 1 DASNR 5
 US-10-793-626-1486
 US-11-073-112-18
 LENGTH: 474
 US-11-008-331-4
 US-11-008-331-4
 FEATURE:
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Length 856;

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1598 DIQNRAT 1604
 1 DASNRAT
 RESULT 29
US-10-995-561-556
 US-10-995-561-774
 US-10-995-561-777
 TYPE: PRT
 TYPE: PRT
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 Sequence 773, Application US/10995561
Fublication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
1 TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
1 TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
1 TITLE OF INVENTION: DEFECTION AND USES THEREOF
1 TITLE OF INVENTION: DEFECTION AND USES THEREOF
1 TITLE OF INVENTION: DEFECTION AND USES THEREOF
1 TITLE OF INVENTION OF 12001559
1 CURRENT APPLICATION NUMBER: US/10/995,561
1 CURRENT FILING DATE: 2004-11-24
1 NUMBER OF SEQ ID NOS: 85702
1 SEQ ID NOS: 85702
1 SEQ ID NOS: 85702
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 Sequence 711, Application US/10995561
Fublication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: CARDICUL BISORDERS AND DRUG RESPONSE, METHODS OF TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION: DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 71
LENGTH: 3960
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 73.5%; Score 25; DB 6; Length 3960; ilarity 71.4%; Pred. No. 8.8e+02; Conservative 0; Mismatches 2; Indels
 73.5%; Score 25; DB 7; Length 3655; illarity 71.4%; Pred. No. 8e+02; Conservative 1; Mismatches 1: Indela
 Length 3803;
 2; Indels
 73.5%; Score 25; DB 6; I
71.4%; Pred. No. 8.4e+02;
iive 0; Mismatches 2,
 TYPE: PRT ORGANISM: Sorangium cellulosum
PRIOR FILING DATE: 2004-05-04
NUMBER OF SEQ ID NOS: 61
SOFTWARE: PatentIn version 3.3
 5; Conservative
 ||: |||
3199 DAAGRAT 3205
 TYPE: PRT
ORGANISM: Homo sapiens
US-10-995-561-773
) ORGANISM: Homo sapiens
US-10-995-561-771
 1598 DIQNRAT 1604
 Query Match
Best Local Similarity
Matches 5; Conserva
 Query Match
Best Local Similarity
Matches 5; Conserv
 1 DASNRAT 7
 Best Local Similarity
Matches 5; Conserv
 1 DASNRAT 7
 RESULT 28
US-10-995-561-771
 US-10-995-561-773
 US-11-075-185-5
 SEQ ID NO 5
 TYPE: PRT
 Query Match
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1 DASNRAT 7

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Sequence 777, Application US/10995561

Sequence 777, Application US/10995561

GENERAL INFORMATION: US20050272054A1

GENERAL INFORMATION: Michele et al.

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

TITLE OF INVENTION: DETECTION AND USES THEREOF

CURRENT FILING DATE: 2004-11-24

NUMBER OF SEQ ID NOS: 85702

SOFTWARE: PESSESEQ for Windows Version 4.0

SEQ ID NO 777

LENGTH: 5335
 ö
 Sequence 774, Application US/10995861
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION: DETECTION AND USES THEREOF
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
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 AND DRUG RESPONSE, METHODS OF
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 Query Match 73.5%; Score 25; DB 6; Length 4655; Best Local Similarity 71.4%; Pred. No. 1e+03; Matches 5; Conservative 0; Mismatches 2; Indels
 Length 5335;
Sequence 556, Application US/10995561

Publication No. US20050272054A1

GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYWORPHISMS ASSOCIATED WITH

TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPON,

TITLE OF INVENTION: DETECTION AND USES THEREOF

FILE REFERENCE: CL001559

CURRENT APPLICATION NUMBER: US/10/995,561

CURRENT FILING DATE: 2004-11-24

NUMBER OF SEQ ID NOS: 85702

SOFTWARE: FastsEQ for Windows Version 4.0

SEQ ID NO 556

LENGTH: 4655
 73.5%; Score 25; DB 6; Length 533
71.4%; Pred. No. 1.2e+03; Tidels
 Ouery Match
Best Local Similarity 71...
Best Local Si Conservative
 , ORGANISM: Homo sapiens
US-10-995-561-556
 ; ORGANISM: Homo sapiens
US-10-995-561-777
 1506 DIQNRAT 1512
 3437 DGSNROT 3443
 1 DASNRAT 7
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 Sequence 779, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION UNMER: US/10/995,561
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SEQ ID NO 779
 ö
 Sequence 775, Application US/10995561
Publication No. US200502720541
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION: DETECTION AND USES THEREOF
TITLE OF INVENTION: DATE: 2004-11-24
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FEATSEQ for Windows Version 4.0
SEQ ID NO 775
LENGTH: 5464
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 73.5%; Score 25; DB 6; Length 5406; 71.4%; Pred. No. 1.2e+03; ive 0; Mismatches 2; Indels
 73.5%; Score 25; DB 6; Length 5464; 71.4%; Pred. No. 1.2e+03; ive 0; Mismatches 2; Indels
 Query Match 73.5%; Score 25; DB 6; Length 5415; Best Local Similarity 71.4%; Pred. No. 1.2e+03; Matches 5; Conservative 0; Mismatches 2; Indels
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 774
LENGTH: 5406
TYPE: PRT
ORGANISM: Homo sapiens
US-10-995-561-774
 Query Match
Best Local Similarity 71.4.
 Query Match 73.5
Best Local Similarity 71.4
Matches 5; Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-779
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-775
 1598 DIQNRAT 1604
 1598 DIQNRAT 1604
 1598 DIQNRAT 1604
 1 DASNRAT 7
 1 DASNRAT 7
 1 DASNRAT 7
 RESULT 32
US-10-995-561-779
 RESULT 33
US-10-995-561-775
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Sequence 202, Application US/11096706
| Publication No. US20050245476A1
| GENERAL INFORMATION:
| GENERAL INFORMATION:
| APPLICANT: Sangamo Biosciences, Inc.
| APPLICANT: Collingwood, Trevor
| TITLE OF INVENTION: Treatment of Neuropathic Pain with Zinc Finger Proteins
| FILE REFERENCE: 019496-008220US
| FILE REFERENCE: 019496-008220US
| FILE REFERENCE: 010496-008220US
| FILE REFERENCE: 0204-04-01
| FRICA PILING DATE: 2004-04-01
| FRICA FILING DATE: 2004-04-08
| PRIOR APPLICATION NUMBER: US 60/576,757
| FRICA FILING DATE: 2004-04-08
| NUMBER OF SEQ ID NOS: 227
| SEQ ID NO 202
 ; OTHER INFORMATION: Chemically synthesized peptide (zinc finger protein binding ; OTHER INFORMATION: domain)
US-11-096-706-202
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Sequence 776, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995, 561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastsEQ for Windows Version 4.0
SEQ ID NO 776
LENGTH: 5935
 Gaps
 Gaps
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 73.5%; Score 25; DB 6; Length 5935; 71.4%; Pred. No. 1.3e+03; ative 0; Mismatches 2; Indels
 Length 7;
 Score 24; DB 7;]
Pred. No. 3.9e+04;
0; Mismatches 2
 RESULT 36
US-10-467-657-5076
Sequence 5076, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
 Query Match 70.6%;
Best Local Similarity 71.4%;
Matches 5; Conservative
 Query Match
Best Local Similarity 71.4.
 TYPE: PRT
ORGANISM: Homo sapiens
US-10-995-561-776
 2100 DIQNRAT 2106
 TYPE: PRT ORGANISM: Artificial
 1 DASNRAT 7
 1 DRSNRKT 7
 RESULT 35
US-11-096-706-202
 FEATURE:
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Sequence 210, Application US/11082389
Publication No. US20050244935A1
GENERAL INFORMATION:
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeQWIN99, version 1.04
SEQ ID NO 5034
LENGTH: 227
 , ORGANISM: Neisseria gonorrhoeae US-10-467-657-5034
 114 DADRRAT 120
 181 AKNRAT 186
 1 DASNRAT 7
 2 ASNRAT 7
 US-11-082-389-210
 RESULT 40
US-11-082-389-212
 TYPE: PRT
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 Sequence 1622, Application US/10793626
Sequence 1622, Application US/10793626
Dublication No. US20050255478A1
GENERAL INPORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REPRENCE: PU3480US
CURRENT FILING DATE: 19404-03-04
PRIOR PILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1622
LENGTH: 212
 Gaps
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 ; OTHER INFORMATION: Description of Artificial Sequence: synthetic; OTHER INFORMATION: amino acid sequence
US-10-793-626-1622
 .
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 Squence 5034, Application US/10467657

Publication No. US20050260581A1

GENERAL INPORMATION:

APPLICANT: CHIRAN Maria Rita

APPLICANT: FONTANA Maria Rita

APPLICANT: PIZZA Mariagrazia

APPLICANT: MASIGNANI Vega

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REFERENCE:

CURRENT FILING DATE: 2003-08-11

PRIOR APPLICATION NUMBER: GB-0103424.8
 ## APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SEQ ID NOS: 9218
SOFTWARE: SEQ ID NO 5076
LENGTH: 36
 70.6%; Score 24; DB 6; Length 212;
100.0%; Pred. No. 64;
tive 0; Mismatches 0; Indels
 70.6%; Score 24; DB 6; Length 36; 71.4%; Pred. No. 9.5;
 2; Indels
 Mismatches
 ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5076
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 71.4
Matches 5; Conservative
 19 DADNAAT 25
 1 DASNRAT 7
 41 SNRAT 45
 3 SNRAT 7
 US-10-467-657-5034
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 GENERAL INCREMATION
APPLICANT: Pomegius, Markus
APPLICANT: Roger, Burkhard
APPLICANT: Schoeder, Hartwig
APPLICANT: Schoeder, Hartwig
APPLICANT: Schoeder, Hartwig
APPLICANT: Schoeder, Hartwig
APPLICANT: Schoeder, Hartwig
APPLICANT: Schoeder, Hartwig
APPLICANT: Calder, Osker
INVENTATION: CONVENTATION: TRANSPORT
TITLE OF INVENTION: TRANSPORT
FILE REFERENCE: BG1-1317C00.
FILE REFERENCE: BG1-1317C00.
CURRENT APPLICATION NUMBER: US (0)/603024
FRIOR FILING DATE: 1999-06-23
FRIOR PLILING DATE: 1999-06-23
FRIOR PLILING DATE: 1999-06-27
FRIOR PLILING DATE: 1999-07-03
FRIOR FILING DATE: 1999-07-03
FRIOR APPLICATION NUMBER: DE 1993113-3
FRIOR FILING DATE: 1999-07-03
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Query Match 70.6%; Score 24; DB 6; Length 227; Best Local Similarity 83.3%; Pred. No. 69; Matches 5; Conservative 0; Mismatches 1; Indel8
 Query Match 70.6%; Score 24; DB 7; Length 260; Best Local Similarity 71.4%; Pred. No. 80; Mismatches 5; Conservative 0; Mismatches 2; Indels
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Sequence 212, Application US/11082389

Publication No. US20050244935A1

GENERAL INFORMATION SOURCEST

Publication No. US20050244935A1

GENERAL INFORMATION MARKER

APPLICANT: Schroder, Hartwid

ITTLE OF INVENTION: TRANSPARIENT ON TRANSPARIENT AND MEMBRANE

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INTO APPLICATION NUMBER: US 60/141301

PRIOR APPLICATION NUMBER: US 60/141301

PRIOR APPLICATION NUMBER: US 60/141301

PRIOR FILLING DATE: 1999-0-0-1

PRIOR FILLING DAT
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Search completed: December 14, 2005, 07:38:16 Job time : 2.17241 secs

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 Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
 December 14, 2005, 07:17:38 ; Search time 7.60345 Seconds (without alignments) 88.581 Million cell updates/sec
 Description
 GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
 hits satisfying chosen parameters:
 283416 seqs, 96216763 residues
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
 protein search, using sw model
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Gapop 10.0 , Gapext 0.5
 seq length: 0
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Searched:

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Scoring table:

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probable LysR-fami
ABC transport prot
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AF2415 E84429 B82427 T45283 T41099 T35781

tropomyosin - Cali tropomyosin - bloo Ig kappa chain V r Ig kappa chain V r Ig kappa chain V-Ig kappa chain pre

RRNZPP S38381 A33085 S16836 S37521 S57444

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C; Superfamily: immunoglobulin V region; immunoglobulin homology
 A;Status: translation not shown A;Molecule type: mRNA A;Residues: 1-86 <BLA>
 A;Status: translation not shown
A;Molecule type: mRNA
A;Residues: 1-86 <BLW>
 Query Match
Best Local Similarity luv...
T; Conservative
 Query Match
Best Local Similarity 100.
Matches 7; Conservative
 41 DASNRAT 47
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 1 DASNRAT 7
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 A; Accession: S16838
 C; Accession: $16830
 A, Accession: S16833
 RESULT 5
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 RESULT 2
S16624
Ig kappa chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: 516824
R;Blaison, G:; Kuntz, J.L.; Pasquali, J.L.
Eur. J. Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid fac A;Accession: 516824
A;Accession: 516824
A;Scatus: preliminary; translation not shown
A;Molecule type: MRNA
A;Residues: 1-86 <-BLA-
A;Cross-references: UNIPARC:UP1000176DAB; EMBL:X54822
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
 RESULT 3
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 Ig kappa chain V region - human

Ig kappa chain V region - human

C; Species: Homo sapiens (man)

C; Species: Homo sapiens (man)

C; Species: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 07-May-1999

C; Accession: 534102

B; Wagner, S.D.; Luzzatto, L.

A; Reference number: 834076; MUID: 93170387; PMID: 8436174

A; Reference number: 834102

A; Residues: preliminary

A; Residues: 1-78 *WAG>

A; Residues: 1-78 *WAG>

A; Crosser-references: UNIPARC: UPIO000176B23; EMBL: X67186

C; Superfamily: immunoglobulin V region; immunoglobulin homology

C; Keywords: heterotetramer; immunoglobulin
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 100.0%; Score 34; DB 2; Length 86; 100.0%; Pred. No. 0.63; ive 0; Mismatches 0; Indels
 Query Match 100.0%; Score 34; DB 2; Length 78; Best Local Similarity 100.0%; Pred. No. 0.57; Matches 7; Conservative 0; Mismatches 0; Indels
 ALIGNMENTS
 Query Match
Best Local Similarity 100.
Matches 7; Conservative
 41 DASNRAT 47
 41 DASNRAT 47
 1 DASNRAT 7
 1 DASNRAT 7
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R;Blaison, G; Kuntz, J.L.; Pasquali, J.L.

Bur. J. Immunol. 21, 1221-1227, 1991

A;Title: Molecular analysis of V(kappa) III variable regions of polyclonal rheumatoid fac.
A;Reference number: $16823, MVID:91243737; PMID:1903706
A;Recension: S16830
A;Status: preliminary; translation not shown
A;Residues: 1-86 < BLA-
A;Cross-references: UNIPARC:UP10010176DA9; EMBL:X54828
A;Cross-references: UNIPARC:UP10010176DA9; EMBL:X54828
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology < IMM>
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 Ig kappa chain V-III region - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
 C;Species: Homo sapiens (man)
C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
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 A;Cross-references: UNIPARC:UPI0000176DA7; EMBL:X54836
A;Experimental source: clone slkv14
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Koywords: heterocleramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
 Query Match 100.0%; Score 34; DB 2; Length 86; Best Local Similarity 100.0%; Pred. No. 0.63; Matches 7; Conservative 0; Mismatches 0; Indels
 100.0%; Score 34; DB 2; Length 86; 100.0%; Pred. No. 0.63; Artive 0; Mismatches 0; Indels
 Indels
 Length
 A;Cross-references: UNIPARC:UPI0000176DA7; EMBL:X54831
A;Experimental source: clone bkv17
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 100.0%; Score 34; DB 2;
100.0%; Pred. No. 0.63;
:ive 0; Mismatches 0
C; Keywords: heterotetramer; immunoglobulin F;7-81/Domain: immunoglobulin homology <IMM>
 Ig kappa chain V region - human (fragment)
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FixLein, U.; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A; Description: Human IgM(+) IgD(+) cells, the major B cell subset in the peripheral blood
A; Reference number: 837501
A; Accession: 837506
A; Status: preliminary
A; Molecule type: mRNA
A; Residues: 1-92 < KLB>
A; Residues: 1-92 < KLB>
C) Superfamily: Immunoglobulin V region; immunoglobulin homology
C; Keywords: heterotetramer; immunoglobulin
 C'Species: Homo sapiens (man).
C'Species: Homo sapiens (man).
C'Accession: 837522
R'Klein, U.; Kueppers, R.; Rajewsky, K.
R'Klein, U.; Kueppers, R.; Rajewsky, K.
A; Klein, U.; Kueppers, R.; Rajewsky, K.
A; Reference number: S37501
 A;Accession: S37522
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-92 «KLE»
A;Cross-references: UNIPARC:UPI0000116586; EMBL:Z26622; NID:g405686; PIDN:CAA81375.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
 Ig kappa chain V region (V-kappa 3) - human (fragment)
Cispecies: Homo sapiens (man)
Cispecies: Homo sapiens (man)
Cipate: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
CiAccession: 837516
R;Klein, U.; Kueppers, R.; Rajewsky, K.
R;Klein, U.; Kueppers, R.; Rajewsky, K.
A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood A;Reference number: 837501
 A;Cross-references: UNIPARC:UP10000116588; EMBL:Z26624; NID:g405674; PIDN:CAA81377.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
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 100.0%; Score 34; DB 2; Length 92; 100.0%; Pred. No. 0.67; cive 0; Mismatches 0; Indels
 100.0%; Score 34; DB 2; Length 92; 100.0%; Pred. No. 0.67;
 2; Length 92;
 0; Indels
 0; Indels
 Ig kappa chain V region (V-kappa 3) - human (fragment)
 100.0%; Score 34; DB 2; 100.0%; Pred. No. 0.67;
 0; Mismatches
 0; Mismatches
 Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
 Best Local Similarity 100.
Matches 7; Conservative
 Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
 33 DASNRAT 39
 DASNRAT 39
 DASNRAT 7
 1 DASNRAT 7
 A, Accession: S37516
A, Status: preliminary
A, Molecule type: mRNA
A, Residues: 1-92 <KLE>
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Ig Aspa chain V region - human (fragment)
C; Species: Homo sapiens (man)
C; Ditate: 199-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C; Date: 199-Feb-1994 #sequence
C; Accession: S16826; S31010
Ext. J. Immunol. 21, 1221-1227, 1991
A; Title: Molecular analysis of Vikappa III variable regions of polyclonal rheumatoid factoristic molecular analysis of Vikappa III variable regions of polyclonal rheumatoid factoristic mumber: S16821; MUD:91243737; PMID:1903706
A; Reference number: S16821; MUD:91243737; PMID:1903706
A; Residues: Les calla MINPARC:UPI0000115E92; EMBL:X54824; NID:g33653; PIDN:CAA38593.1; PIC R; Wagner, S. D.; Luzzatto, L.
R; Wagner, S. D.; Luzzatto, L.
R; Magner, S. D.; Luzzatto, Immunoglobulin homology
C; Superfamily: immunoglobulin homology c; Neywords: heterotetramer; immunoglobulin
F; 7-81/Domain: immunoglobulin homology c; Neywords: heterotetramer; immunoglobulin
 As Arapya Lana... *Layer... C. Species: Homo sapiens (man) C. Species: Homo sapiens (man) C. Species: Homo sapiens (man) C. Species: Homo sapiens (man) C. Species: Homo sapiens (man) C. Sacession: Si6829
R. Blaison, G.; Kuntz, J.L.; Pasquali, J.L. Eur. J. Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid factifies: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid factifies: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid factifies: Molecular munkler: Si6829
A;Status: preliminary; translation not shown
A;Molecular type: mRNA
A;Residues: 1-86 < BLA>
A;Coss-references: UNIPARC: UPI0000176DAC; EMBL: X54827
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology < IMM>
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 g kappa chain V region - human (fragment)
Species: Homo sapiens (man)
Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
 ;Species: Homo sapiens (man)
:Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
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 DB 2; Length 86;
 Length 86;
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 - human (fragment)
 DB 2;
 0.63;
 Score 34; DB 2;
Pred. No. 0.63;
 100.0%; Scor.
100.0%; Pred. No. v.
0; Mismatches
 100.0%; Score 34; DB
100.0%; Pred. No. 0.6
tive 0; Mismatches
 RESULT 8
$37506
Ig kappa chain V region (V-kappa 3)
C.Species: Homo sapiens (man)
C.Date: 06-13n-10ne
 Query Match
Best Local Similarity 100.v
 Query Match
Best Local Similarity 100.
Matches 7; Conservative
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DASNRAT 47
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Length 111;

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C,Accession: A01900
C,Accession: A01900
Nucleic Acids Res. 12, 9229-9236, 1984
A,Title: Immunoglobulin genes of different subgroups are interdigitated within the V-K 1
A,Reference number: A93549; MUID:85087932; PMID:6440122
 C;Complex: An immunoglobulin heterotetramer subunit consists of two identical light (kapp hain disulfide bonds. In some cases, such as IgA and IgM, the subunits associate into la C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin
 Cjaccession: S11697
R; Pech, M.; Smola, H.; Poblenz, H.D.; Straubinger, B.; Gerl, R.; Zachau, H.G.
J. Mol. Biol. 183, 291-299, 1985
A;Title: A large section of the gene locus encoding human immunoglobulin variable regions A;Reference number: S11697; MUID:85264787; PMID:3927006
A;Accession: S11697
A;Accession: S11697
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
 Cross-references: UNIPROT: P04433; UNIPARC: UPI0000116D05; GB:X01668; GB:K02768; NID: 933; Note: the sequence was determined from the germline gene
 Ig kappa chain precursor V-III region - human
C;Species: Homo sapiens (man)
C;Date: 25-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
 Ig kappa chain precursor V-III region (Vg) - human
C;Species: Homo sapiens (man)
C;Date: 17-Mar-1987 #sequence_revision 17-Mar-1987 #text_change 09-Jul-2004
 1-20/Domain: signal seguence #status predicted <SIG>
21-115/Product: Ig kappa chain V-III region (Vg) #status predicted <MAT>
 for residue 50 as Ile
 1; Length 115;
 A;Note: the authors translated the codon TAT for residue 50 as C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: hererotetramer; immunoglobulin F;16-91/Domain: immunoglobulin homology <IMM>
A;Cross-references: UNIPARC:UPI000118293; GB:M97805
 Query Match 100.0%; Score 34; DB 2; Best Local Similarity 100.0%; Pred. No. 0.82; Matches 7; Conservative 0; Mismatches 0
 100.0%; Score 34; DB 1, 100.0%; Pred. No. 0.86;
 F;77-108/Region: framework 3
F;109-115/Region: complementarity-determining 3
F;43-108/Disulfide bonds: #status predicted
 0; Mismatches
 F;21-43/Region: framework 1
F;36-110/Domain: immunoglobulin homology <IMM>
F;44-54/Region: complementarity-determining 1
F;55-69/Region: framework 2
F;70-76/Region: complementarity-determining 2
 Cross-references: GDB:136266
 Local Similarity 100.
 Map position: 2p12-2p11; Introns: 17/1
 DASNRAT 76
 DASNRAT 57
 1 DASNRAT 7
 1 DASNRAT 7
 ,Molecule type: DNA
,Residues: 1-115 <PEC>
 A, Residues: 1-115 < PEC>
 Accession: A01900
 Query Match
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 RESULT 11

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C5 45pecies: Homo sapiens (man)
C; 5pecies: Homo sapiens (man)
C; 5pecies: Ann-1994 #sequence_revision 27-Jun-1994 #text_change 21-Jan-2000
C; Accession: G44151
C; Accession: G44151
C; Accession: G5 21 Jan-2000
C; Accession: G7 Jun-1994 #sequence_revision X.L.; Caothien, R.H.; Graff, R.; DeGraw, J.; Pya Proc. Natl. Acad. Sci. U.S.A. 89, 3175-3179, 1992
Proc. Natl. Acad. Sci. U.S.A. 89, 3175-3179, 1992
A; Title: Human combinatorial antibody libraries to hepatitis B surface antigen.
A; Reference mumber: A44151; MUID:92228746; PMID:1373487
 pN0537

Ig kappa chain V region (clone LUNm03) - human (fragment)

C;pgecdes: Homo sapiens (man)

C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 21-Jan-2000

C;Accession: PN0537

R;Avila, MA.; Vazques, J.; Danielsson, L.; de Cossio, M.E.F.; Borrebaeck, C.A.K.

R;Avila: A.;A.; 1993

A;Title: Sequence determination of variable region genes of two human monoclonal antibod

A;Reference number: PN0535; MUID:93273246; PMID:8500770

A;Accession: PN0537

A;Accession: PN0537

A;Accession: A;Avila: AVIla
 A.Status: preliminary
A.Status: DNA
A.Molacule type: DNA
A.Residues: 1-111 <0125-
A.Cross-references: UNIPARC:UPI0000115F96; EMBL:X59705; NID:g34022; PIDN:CAA42226.1; PID
C.Superfemily: immunoglobulin V region; immunoglobulin homology
C.Stoywords: heterotetramer; immunoglobulin
F;16-90/Domain: immunoglobulin homology <1MM>
 A; Residues: 1-108 <ZEB>
A; Residues: 1-108 <ZEB>
A; Cross-references: UNIPARC; UPI00001139AC; GB: M88317; NID: g183968; PIDN: AAA35975.1; PID: A, Octe: nucleotide translation not given c; by Note: nucleotide translation not given c; Superfamily: immunoglobulin V region; immunoglobulin homology C; Keywords: heterotetramer; immunoglobulin F:15-89/Domain: immunoglobulin homology <IMM>
 S23628

Ig kappa chain V region - human (fragment)

C;Species: Homo sapiens (man)

C;Species: Homo sapiens (man)

C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 21-Jan-2000

C;Accession: S23628

E;Olee, T.; Lu, E.W.; Huang, D.F.; Soto-Gil, R.W.; Deftos, M.; Kozin, P.; Carson, D.A.;

J. Exp. Med. 175, 831-842, 1992

A;Title: Genetic analysis of self-associating immunoglobulin G rheumatoid factors from the A;Reference number: S23623; MUID:92156804; PMID:1740665
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 100.0%; Score 34; DB 2; Length 108; larity 100.0%; Pred. No. 0.8; Conservative 0; Mismatches 0; Indels
 100.0%; Score 34; DB 2; Length 111; 100.0%; Pred. No. 0.82;
 A;Accession: G44151
A;Status: preliminary; not compared with conceptual translation A;Molecule type: mRNA
 Indels
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 Local Similarity 100.
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 DASNRAT 55
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 1 DASNRAT 7
 A; Accession: S23628
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Ig kappa chain V region (60.3 hybridoma) - human CiSpecies: Homo sapiens (man) CiSpecies: Homo sapiens (man) CiSpecies: Homo sapiens (man) CiSpecies: Homo sapiens (man) CiSpecies: Homo sapiens (man) CiDate: Ochdar.1995 #sequence_revision 06-Jan-1995 #sequence_revision 06-Jan-1995 #sequence_revision 05.34110; Riwalls, M.A.; Haiao, K.; Harris, L.J. Riwalls, M.A.; Haiao, K.; Harris, L.J. Alticle: Vectors for the expression of PCR-amplified immunoglobulin variable domains wit A;Reference number: S34110; MUID:93324379; PMID:8332501 A;Accession: S34110 A;Accession: Gaquence not shown; translation not shown A;Residues: 1-129 cMA2>
 A;Residues: 1-130 cKLE>
A;Residues: 1-130 cKLE>
A;Cross-references: UNIPARC:UPI000011616E; EMBL:X72470; NID:g441408; PIDN:CAA51138.1; PI
C;Superferanily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;35-111/Domain: immunoglobulin homology <IMM>
 A;Cross-references: UNIPARC:UP1000011649A; EMBL:Z17330; NID:g38511; PIDN:CAA78978.1; PII A;Note: human sequences cloned and sequenced prior to expression in mouse myeloma cells A;Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1992
 Ig kappa chain - human (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Accession: S40360
R;Klein, R.; Jaenichen, R.; Zachau, H.G.
Bur. J. Immunol. 23, 3248-3271, 1993
A;Title: Expressed human immunoglobulin chi genes and their hypermutation. A;Reference number: 840312; MUID:9408091; PMID:8258341
 Tign Rappa chain precursor V-J-C region (LS1) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Dacesion: 90-10n-1992 #sequence_revision 30-Jun-1992 #text_change 21-Jan-2000
C;Accesion: PLO106
R;Silberstein, L.E.; Litwin, S.; Carmack, C.E.
J. Exp. Med. 169, 1531-1643, 1989
A;Fitle: Relationship of variable region genes expressed by a human B cell]
A;Reference number: PL0106; MUID:89235583; PMID:2541221
 100.0%; Score 34; DB 2; Length 130; 100.0%; Pred. No. 0.97; ive 0; Mismatches 0; Indels
 100.0%; Score 34; DB 2; Length 129;
100.0%; Pred. No. 0.97;
ive 0; Mismatches 0; Indels
 A;Introns: 17/1
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;36-110/Domain: immunoglobulin homology <IMM>
 A;Status: preliminary; translation not shown A;Molecule type: mRNA
 Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
 7; Conservative
 10 DASNRAT 76
 DASNRAT 77
 1 DASNRAT 7
 DASNRAT 7
 Best Local Similarity
 A;Accession: PL0106
A;Molecule type: mRNA
A;Residues: 1-144 <SIL>
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 Query Match
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 RESULT 17
A56701
Ig Wappa chain V region precursor (HuA) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 19-Oct-1995 #sequence_revision 19-Oct-1995 #text_change 21-Jan-2000
C;Accession: A56701
R;Nickerson, K.G.; Tao, M.H.; Chen, H.T.; Larrick, J.; Kabat, E.A.
J. Biol. Chem. 270, 12457-12465, 1995
A;Title: Human and mouse monoclonal antibodies to blood group A substance, which are nea A;Reference number: A56701; MUID:95279371; PMID:7759488
A;Accession: A56701
A;Accession: A56701
A;Residues: 1-128 «NIC»
A;Residues: 1-128 «NIC»
A;Cosesion: MUIPARC:UPIO000113B26; GB:L41174; NID:9762823; PIDN:AAA64877.1; PID:C;Keywords: heterotetramer; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin homology cIMM>
F;36-110/Domain: immunoglobulin homology cIMM>
 Ty Argue Linear 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000 C.Species: Homo saptens (man) C.Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000 C.Accession: $40344, R.; Zachau, H.G. Ext. J. Immunol. 23, 3248-3271, 1993 A; Title: Expressed human immunoglobulin chi genes and their hypermutation. A; Theire: Expressed human immunoglobulin chi genes and their hypermutation. A; Reference number: $40312; MUID:94080891; PMID:8258341 A; Status: preliminary; translation not shown A; Residues: 1-125 <KLE> A; Cross-references: UNIPARC:UPI000011615E; EMBL:X72454; NID:9441376; PIDN:CAA51122.1; PI C; Superfemily: immunoglobulin V region; immunoglobulin homology c; Superfemily: immunoglobulin homology <IMM>
 PII
A;Cross-references: UNIPARC:UPI0000115E41; EMBL:X17264; NID:g37898; PIDN:CAA35168.1; FA;Note: the nucleotide sequence was submitted to the EMBL Data Library, December 1989 c;Genetics:
A;Introns: 17/1
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;36-110/Domain: immunoglobulin homology <IMM>
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 100.0%; Score 34; DB 2; Length 125; 100.0%; Pred. No. 0.93; ive 0; Mismatches 0; Indels
 DB 2; Length 115;
 2; Length 128;
 Indels
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 0.86;
 100.0%; Score 34; DB 2;
100.0%; Pred. No. 0.96;
iive 0; Mismatches
 Query Match
100.0%; Score 34; DB
Best Local Similarity 100.0%; Pred. No. 0.8
Matches 7; Conservative 0; Mismatches
 kappa chain V-J region - human
 Query Match
Best Local Similarity 100.
 Best Local Similarity 100.
Matches 7; Conservative
 DASNRAT 76
 10 DASNRAT 76
 DASNRAT 76
 1 DASNRAT 7
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A;Residues: 1.1375 <MCD>
A;Cross-references: UNIPROT:Q9UTL9; UNIPARC:UPI000069886; EMBL:AL132675; PIDN:CAB59685.1
A;Experimental source: strain 972h-; cosmid c144
 R;Degnan, B.M.; Degnan, S.M.; Morse, D.E. submitted to the EMBL Data Library, September 1993
A;Description: Transient tropomyosin gene expression during larval and metamorphic muscl: A;Reference number: S38381
 A; Cross-references: UNIPROT: Q25145; UNIPARC: UPI0000079F95; EMBL: X75218; NID: 9407416; PIDI
 tropomyosin - bloodfluke planorb
C;Species: Biomphalaria glabrata (bloodfluke planorb)
C;Date: 03-Aug-1990 #sequence_revision 03-Aug-1990 #text_change 09-Jul-2004
C;Accession: A33085
 probable DNA repair protein - fission yeast (Schizosaccharomyces pombe)
C;Species: Schizosaccharomyces pombe
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
 C;Species: Haliotis rufescens (California red abalone)
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
C;Accession: S38381
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 91.2%; Score 31; DB 2; Length 1375; 85.7%; Pred. No. 62; 1; Mismatches 0; Indels
 Length 284;
 Indels
 R;Dissous, C.; Torpler, G.; Duvaux-Miret, O.; Capron, A. submitted to the Protein Sequence Database, June 1990 A;Reference number: A33085
 A;Accession: T37672
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
 ;
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 Query Match 88.2%; Score 30; DB Best Local Similarity 85.7%; Pred. No. 20; Matches 6; Conservative 0; Mismatches
 A;Map position: 1
A;Introns: 1108/1; 1196/3; 1263/2; 1277/1
F;1088-1135/Domain: RING finger homology <RRN>
 tropomyosin - California red abalone
 Query Match
Best Local Similarity 85.7-
6, Conservative
 C; Superfamily: tropomyosin
 |||||:|
916 DASNRST 922
 234 DAENRAT 240
 A,Accession: A33085
A,Status: preliminary
A,Molecule type: protein
A,Residues: 1-284 <DIS>
 12 DANNRAT 18
 1 DASNRAT 7
 1 DASNRAT 7
 A; Gene: SPDB:SPAC144.05
 A; Residues: 1-284 < DEG>
 A;Accession: S38381
A;Status: preliminary
A;Molecule type: mRNA
 C;Genetics:
 RESULT 24
 RESULT 25
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 phosphoprotein P - human respiratory syncytial virus (strain Long)
CjSpecies: human respiratory syncytial virus
CjSpecies: human respiratory syncytial virus
CjSpecies: human respiratory syncytial virus
CjSpecies: Jo. Sep-1991 #sequence_revision 30-Sep-1991 #text_change 09-Jul-2004
CjAccession: 507428
R;Lopez, J.A.; Villanueva, N.; Melero, J.A.; Portela, A.
N;Title: Nucleotide sequence of the fusion and phosphoprotein genes of human respiratory
A;Reference number: S07428, MUID:88323192, PMID:3414184
A;Accession: S07428
A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-241 <LOP>
A;Cross-references: UNIPROT:P12579, UNIPARC:UPI0000134B5E; EMBL:M22644; NID:g333949; PII
 A, Cross-references: UNIPROT: P03421, UNIPARC: UP10000134B5D; GB:M11486, GB:K02719, NID: 933
 phosphoprotein P - human respiratory syncytial virus (strain A2)
C;Species: human respiratory syncytial virus
C;Species: human respiratory syncytial virus
C;Species: human respiratory syncytial virus
C;Species: human respiratory syncytial stext_change 09-Jul-2004
C;Accession: A04037
R;Satake, M.; Elango, N.; Venkatesan, S.
J. Virol. 52, 991-994, 1984
A;Title: Sequence analysis of the respiratory syncytial virus phosphoprotein gene.
A;Reference number: A04037; MUID:85033973; PMID:6548627
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 100.0%; Score 34; DB 2; Length 144; 100.0%; Pred. No. 1.1; ive 0; Mismatches 0; Indels
A,Cross-references: UNIPARC:UPI00001767A2
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;1-20/Domain: signal sequence #status predicted <SIG>F;21-115/Domain: upunoglobulin homology <IMM>F;21-115/Domain: immunoglobulin homology <IMM>F;45-110/Domain: immunoglobulin homology <IMM>F;47-54/Region: complementarity-determining 1
F;70-76/Region: complementarity-determining 2
F;10-115/Region: complementarity-determining 3
F;116-1127/Domain: J region <IRGS
F;128-144/Domain: C region (fragment) <CRE>
 91.2%; Score 31; DB 1; Length 241; 85.7%; Pred. No. 9.7; ive 1; Mismatches 0; Indels
 91.2%; Score 31; DB 1; Length 241; 85.7%; Pred. No. 9.7; ive 1; Mismatches 0; Indels
 C;Genetics:
A;Gene: P
C;Superfamily: respiratory syncytial virus phosphoprotein P
C;Keywords: phosphoprotein
 C;Superfamily: respiratory syncytial virus phosphoprotein P C;Keywords: phosphoprotein
 Query Match
Best Local Similarity 85.7°
 Query Match
Best Local Similarity 85.7-
6, Conservative
 Best Local Similarity 100 Matches 7; Conservative
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DANNRAT 18
 DASNRAT 76
 1 DASNRAT 7
 1 DASNRAT 7
 A; Molecule type: mRNA
A; Residues: 1-241 <SAT>
 1 DASNRAT 7
 Query Match
 C;Genetica:
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R;Paterson, G.; Wilson, G.; Kennedy, P.G.E.; Willison, H.J.
submitted to the EMBL Data Library, June 1995
A;Description: Analysis of anti-GMI ganglioside IgM antibodies cloned from motor neuropa A;Reference number: S57408
A;Recession: S57444
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-107 < RNA
A;Residues: 1-107 < RNA
A;Cross-references: UNIPARC:UP100001137AE; EMBL:X87898; NID:g871275; PIDN:CAA61149.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
F;16-90/Domain: immunoglobulin homology < IMM>
 C;Accession: B2551
R;Chen, P.P.; Albrandt, K.; Orida, N.K.; Radoux, V.; Chen, E.Y.; Schrantz, R.; Liu, F.T
Proc. Natl. Acad. Sci. U.S.A. 83, 8318-8322, 1986
A;Title: Genetic basis for the cross-reactive idiotypes on the light chains of human Igm A;Reference number: A94135; MUID:87041448; PMID:3095834
 hypothetical protein CC2780 [imported] - Caulobacter crescentus
C;Species: Caulobacter crescentus
C;Species: Caulobacter crescentus
C;Date: 20-Apr-2001 #sequence_revision 20-Apr-2001 #text_change 09-Jul-2004
C;Accession: D87593
R;Nierman, W.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heft, D.H.; Kolon
N, J.; Ermolaeva, M.; White, O.; Salzberg, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C.M.
Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001
A;Title: Complete Genome Sequence of Caulobacter crescentus.
 A;Residues: 1-133 <STO>
A;Gross-references: UNIPROT:Q9A4Q0; UNIPARC:UPI00000C783C; GB:AB005673; NID:g13424378; P
C;Genetics:
 A;Cross-references: UNIPARC:UP10000113B57; GB:M14507; NID:g186027; PIDN:AAA58993.1; PID-
Signerfamily: immunoglobulin V region; immunoglobulin homology
C;Ksywords: heterotetramer; immunoglobulin
F;36-111/Domain: immunoglobulin homology <IMM>
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 Species: Homo sapiens (man)
Date: 21-May-1988 #sequence_revision 21-May-1990 #text_change 21-Jan-2000
 Gaps
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0
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 Length 107
 Length 116
 Length 133
 0; Indels
 Indels
 0; Indels
 DB 2;
 ..
 Score 29; DB 2;
Pred. No. 15;
1; Mismatches
 Score 29; DB 2
Pred. No. 13;
1; Mismatches
 85.3%; Score 29; DB 100.0%; Pred. No. 12; ive 0; Mismatches
 Ig kappa chain precursor V region (305) - human
 85.3%;
 85.3%;
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 6; Conservative
 Conservative
 |||:|||
71 DASSRAT 77
 Similarity
6; Conserva
 Best Local Similarity
Matches 6; Conserv
 55
 1 DASNRAT 7
 A; Molecule type: DNA
A; Residues: 1-116 < CHE>
 1 DASNRA 6
 DASNRAT
 A, Status: preliminary A, Molecule type: DNA
 50 DASNRA
 A; Accession: D87593
 A;Accession: B25521
 A; Gene: CC2780
 Query Match
Best Local S
 Query Match
 RESULT 30
 Matches
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 RESULT 26
S16836
IG kappa chain V region - human (fragment)
C;Species: Home sapiens (man)
C;Species: Home sapiens (man)
C;Species: Home sapiens (man)
C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: S16836
R;Blaison, G; Kuntz, J.L; Pasquali, J.L.
Eur. J Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid factor analysis of V(kappa)III variable regions of polyclonal rheumatoid factor s16836
A;Recession: S16836
A;Accession: S16836
A;Accession: S16836
A;Accession: S16836
A;Accession: S16836
A;Accession: S16836
A;Cross-references: UNIPARC: UP10000176D61; EMBL: X54834
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
 S37521

Ig kappa chain V region (V-kappa 3) - human (fragment)

Ig kappa chain V region (V-kappa 3) - human (fragment)

C;Specials Homo abalens (man)

C;Specials Homo abalens (man)

C;Accession: S37521

C;Accession: S37521

C;Accession: S37521

C;Accession: S37521

A;Klein, U.; Kueppers, R.; Rajewsky, K.

Submitted to the EMBL Data Library, September 1993

A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood

A;Reference number: S37501
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 A;Accession: S37521
A;Status: preliminary
A;Mosteule type: mRNN
A;Mosteule type: mRNN
A;Mosteule type: mRNN
A;Mosteule type: mRND
A;Cross-references: UNIPARC:UPI0000116587; EMBL:Z26623; NID:g405684; PIDN:CAA81376.1;
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
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 Ig kappa chain V-J region - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 10-Oct-1995 #sequence_revision 17-Nov-1995 #text_change 21-Jan-2000
C;Accession: S57444
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 2; Length 284
 Score 29; DB 2; Length 86; Pred. No. 9.7; 1; Mismatches 0; Indels
 Score 29; DB 2; Length 91;
Pred. No. 10;
 1; Indels
 Indels
A;Cross-references: UNIPROT:P42636; UNIPARC:UP10000137247
C;Superfamily: tropomyosin
 ö
 Score 30; DB 2
Pred. No. 20;
0; Mismatches
 1; Mismatches
 85.3%;
85.7%;
 85.3%;
 Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
 Query Match
Best Local Similarity 85.7°
 6; Conservative
 11 [11]
234 DAENRAT 240
 |||:|||
DASSRAT 47
 |||:|||
DASSRAT 39
 1 DASNRAT 7
 DASNRAT 7
 Query Match
Best Local Similarity
Matches 6; Conserv
 1 DASNRAT 7
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 RESULT 28
S57444
 RESULT 27
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R;Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fuji, F.; Hirai Nucleic Acids Res. 28, 4117-4331, 2000
A;Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and A;Reference number: A83650; MUID:20512582; PMID:11058132
 A;Residues: 1-224 <STO>
A;Cross-references: UNIPROT:Q9KC96; UNIPARC:UPI00000C3C6F; GB:AP001512; GB:BA000004; NID
A;Experimental source: strain C-125
 probable LysR-family transcription regulator [imported] - Sinorhizobium meliloti (strain C;Species: Sinorhizobium meliloti (c;Species: 24-Aug-2001 #sequence_revision 24-Aug-2001 #text_change 09-Jul-2004
 C;Accession: G95415
R;Barnett, M.J.; Fisher, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, F.; Bows
r; Kalman, S.; Keating, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Yeh, K.C.
Proc. Natl. Acad. Sci. U.S.A. 98, 9883-9888, 2001
A;Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium melilot
A;Reference number: A95262; MUID:21396509; PMID:11481432
 A;Redidues: 1-315 KKRN>
A;Redidues: 1-315 KKRN>
A;Cross-references: UNIPROT:Q92XL3; UNIPARC:UPI00000CB363; GB:AE006469; PIDN:AAK65889.1;
A;Experimental source: strain 1021, megaplasmid pSymA
B;Galibert, F:; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubler, pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.; L.; Hyman, R.W.; Jones, T.
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 hypothetical protein BH1677 [imported] - Bacillus halodurans (strain C-125) C; Species: Bacillus halodurans C; Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 09-Jul-2004
 Gaps
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 Length 224;
 Length 215;
 Indels
 C; Superfamily: conserved hypothetical protein TM1511
 85.3%; Score 29; DB 2;
100.0%; Pred. No. 27;
tive 0; Mismatches 0
 7
 85.3%; Score 29; DB
85.7%; Pred. No. 26;
ive 1; Mismatches
Ig kappa chain NIG26 precursor - human
 Best Local Similarity 85.7%;
Matches 6; Conservative
 Conservative
 |||:|||
51 DASSRAT 57
 Local Similarity
nes 6; Conserv
 DASNRA 171
 1 DASNRAT 7
 1 DASNRA 6
 A;Status: preliminary A;Molecule type: DNA
 A, Status: preliminary A, Molecule type: DNA
 C, Accession: E83859
 A; Accession: E83859
 A; Gene: BH1677
 Query Match
 Query Match
 C;Genetics:
 RESULT 35
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 Ig kappa chain V-III (KAU cold agglutinin) - human C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Jo.Dec-1991 #sequence_revision 30-Dec-1991 #text_change 21-Jan-2000
C;Accession: A23746
R;Leoni, J.; Ghiso, J.; Goni, F.; Frangione, B.
J. Biol. Chem. 266, 2836-2842, 1991
A;Title: The primary structure of the Fab fragment of protein KAU, a monoclonal immunogla A;Title: The primary structure of the Fab fragment of protein KAU, a monoclonal immunogla A;Reference number: A23746
A;Accession: A2
 probable nitratenitrite response regulator protein [imported] - Sinorhizobium meliloti (Species: Sinorhizobium meliloti (Species: Sinorhizobium meliloti (Species: Sinorhizobium meliloti (Species: Sinorhizobium meliloti (Species: Sinorhizobium meliloti (Spacesion: F9581) (Species: Sinorhizobium meliloti (Spacesion: F9581) (Species: Nathemester, J.; Chain, P.; Vorholter, F.J.; Hernan Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001 (April The complete sequence of the 1,683-kb pSymB megaplasmid from the N2-fixing ende Apacession: F9581 (Apacesion: F9581) (Apac
 A:Residues: 1-211 <KUR>
A;Cross-references: UNIPROT:Q92X84; UNIPARC:UPI00000CB3DC; GB:AL591985; FIDN:CAC48478.1;
A;Cross-references: UNIPROT:Q92X84; UNIPARC:UPI00000CB3DC; GB:AL591985; FIDN:CAC48478.1;
A;Experimental source: strain 1021, megaplasmid pSymB
R;Galibert, F.; Finan, T.M.; Long, S.R.; Phhler, A.; Abola, P.; Ampe, F.; Barloy-Hubler, pola, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.;
L.; Hyman, R.W.; Jones, T.
Science 293, 668-572, 2001
A;Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure, hebault, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh, K. A;Reference number: A96039; WUID:21368234; PMID:11474104
 C;Genetics:
A;Gene: SMb20078
A;Genome: plasmid
C;Superfamily: response regulator with HTH DNA-binding domain, NarL type; response regul
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 Score 29; DB 2; Length 211;
Pred. No. 25;
0; Mismatches 1; Indels
 85.3%; Score 29; DB 2; Length 215;
85.7%; Pred. No. 26;
ive 1; Mismatches 0; Indels
 Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
 6; Conservative
 191 DISNRAT 197
 |||:|||
51 DASSRAT 57
 96
 1 DASNRAT 7
 Query Match
Best Local Similarity
 1 DASNRAT 7
 |||:|||
DASHRAT
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Ig kappa chain V region (V-kappa 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
C;Accession: 337504
R;Klein, U; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A;Pescription: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood
A;Reference number: 337501
A;Accession: S37504
 A;Cross-references: UNIPARC:UPI0000116578; EMBL:226608; NID:g405649; PIDN:CAA81361.1; PI C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin
 A;Authors: da Silva, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., W.A.; da A.R.; Tsuhako, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A;Reference number: A59328
A;Reference number: A59328
C;Genetics: annotation
A;Gene: XP2399
 Length 92;
 kappa chain V region (V-kappa 3) - human (fragment)
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 RESULT 40
E30609
Ig kappa chain V-III region (Jh) - human (fragment)
 Score 28; DB 2
Pred. No. 16;
0; Mismatches
 Score 28; DB 2
Pred. No. 18;
0; Mismatches
 DB
18;
 82.4%; Score 28; DB
85.7%; Pred. No. 18;
ive 0; Mismatches
 .
 82.4%;
 82.4%;
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 Conservative
 6; Conservative
 23 DASNTAT 29
 33 DASKRAT 39
 DASKRAT 39
 Query Match
Best Local Similarity
 1 DASNRAT 7
 1 DASNRAT 7
 Similarity
 A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-92 <KLE>
 A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-92 <KLE>
 A; Accession: S37512
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9
 Query Match
Best Local S
Matches 6
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 Matches
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 RESULT 37
GR2561
hypothetical protein XF2199 [imported] - Xylella fastidiosa (strain 9aSc)
C;Species: Xylella fastidiosa
C;Species: Xylella fastidiosa
C;Species: Xylella fastidiosa
C;Species: Cylella fastidiosa
C;Species: Cylella fastidiosa
C;Species: Cylella fastidiosa
C;Species: Cylella fastidiosa
C;Species: The Xylella fastidiosa
C;Species: The Xylella fastidiosa
C;Species: The Xylella fastidiosa
N;Title: The genome sequence of the plant pathogen Xylella fastidiosa.
A;Reference number: A82515; MUID:20365717; PMID:10910347
A;Rote: for a complete list of authors see reference number A59328 below
A;Resession: G82561
A;Status: preliminary
A;Residues: 1-81 cSIN
A;Residues: 1-81 cSIN
A;Residues: 1-81 cSIN
A;Residues: 1-81 cSIN
A;Residues: UNIPRCT:O9PAUG; UNIPARC:UPI00000C2A2A; GB:AE004049; GB:AE003849; NID
A;Experimental source: strain 9a5c
R;Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Carraro, D.M.; Carrer, H
B;Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Ferreira, A.J.S.
A;Muthors: Perreira, V.C.A.; Ferro, J.A.; Fraga, J.P.; Krieger, J.E.; Kuramae, E.S.; Laigr
Chado, M.A.; Madeira, A.M.B.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Martins, Chado, M.A.; Madeira, A.M.B.; Madeira, M.A.; de Olivaira, R.C.; Palmieri, D.,
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.P.M.; Miracca, E.C.; Miyaki, C.Y.;
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.P.M.; Miracca, E.C.; Miyaki, C.Y.;
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.P.M.; Miracca, E.C.; Palmieri, D.,
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.P.M.; Miracca, E.C.; Palmieri, D.,
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.P.M.; Miracca, E.C.; Palmieri, D.,
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.P.M.; Miracca, E.C.; Palmieri, D.,
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.P.M.; Miracca, E.C.; Palmieri, D.,
A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Palmieri, D.,
A;Authors: Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Palmieri, D.
Science 293, 668-672, 2001

A;Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure, A;Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure, A;Title: The composite genome of the legume symbiont Sinorhizobium meliloti.

A;Reference number: A96039; MUID:21368234; PMID:11474104

A;Contents: annotation
A;Genetics:
A;Gene: SMa2287

A;Genome: plasmid
C;Superfamily: regulatory protein ampR
 Б
 A;Cross-references: UNIPROT:Q94479; UNIPARC:UPI000017B173; EMBL:U66526; NID:g1513297; C;Genetics:
A;Gene: abcA
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 ABC transport protein - slime mold (Dictyostelium discoideum) (fragment)
C;Species: Dictyostelium discoideum
C;Species: Dictyostelium discoideum
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T18288
R;Loomis, W.F.
B;Rcomis, W.F.
A;Rcerence number: Data Library, August 1996
A;Reference number: Z18857
A;Accession: T1828
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Residues: 1-1336 <LOO>
 Gaps
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 85.3%; Score 29; DB 2; Length 1336; 100.0%; Pred. No. 1.8e+02; ive 0; Mismatches 0; Indels
 DB 2; Length 315; 39;
 0; Indels
 100.0%; Pred. no.
 85.3%; Score 29; 100.0%; Pred. No.
 Query Match 85.3
Best Local Similarity 100.
Matches 6; Conservative
 Query Match
Best Local Similarity 100.
Matches 6; Conservative
 132 DASNRA 137
 372 DASNRA 377
 9
 1 DASNRA 6
 1 DASNRA
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C;Accession: S37512
R;KLein, U.; Kueppers, R.; Rajewsky, K.
submitted to the BMBL Data Library, September 1993
A;Description: Human IgM(+) IgD(+) cells, the major B cell subset in the peripheral blood A;Reference number: S37501
 A;Cross-references: UNIPARC:UP10000116570; EMBL:226599; NID:g405666; PIDN:CAA81353.1; PI C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin
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 C.Species: Homo sapiens (man)
C.Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
 Gape
 Gaps
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 Length 92;
 1; Indels
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C;Species: Homo sapiens (man)
C;Date: 29-Jun-1989 #sequence_revision 29-Jun-1989 #text_change 21-Jan-2000
C;Date: 29-Jun-1989 #sequence_revision 29-Jun-1989 #text_change 21-Jan-2000
C;Accresalon: E30609
R;Gociesalon: B10609
J. Immunol. 142, 3158-3163, 1989
J. Immunol. 142, 3158-3163, Immunoglobulin homology
C;Superfarence: Univalence; Immunoglobulin homology
C;Superfarence: Immunoglobulin homology <IMM>
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 Gaps
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 Query Match 82.4%; Score 28; DB 2; Length 108; Best Local Similarity 85.7%; Pred. No. 21; Matches 6; Conservative 0; Mismatches 1; Indels
 Search completed: December 14, 2005, 07:31:53 Job time : 9.60345 secs
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51 DASTRAT 57
 1 DASNRAT 7
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Phyllobacteriaceae; Mesorhizobium.
 O416P1_GIBZE PRELIMINARY;
 Local Similarity 100.
 184 DASNRAT 190
 NUCLEOTIDE SEQUENCE
 Mesorhizobium loti.
 1 DASNRAT 7
 Predicted protein. ORFNames=FG07117.1
 STRAIN=MAFF303099;
 NCBI_TaxID=381
 STRAIN=PH-1;
 Query Match
 Q416P1;
 Best Loc
Matches
 RESULT 3
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 This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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 MEDLINE=85087932; PubMed=6440122;
Pech M., Zachau H.G.;
"Immunoglobulin genes of different subgroups are interdigitated within
the VK locus.";
 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
 Gaps
 ö
 Ig kappa chain V-III region VG.
Framework-1.
 100.0%; Score 34; DB 1; Length 115; 100.0%; Pred. No. 4.5;
 Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
 Complementarity-determining-1.
 Complementarity-determining-2.
 Complementarity-determining-3.
 0; Indels
 SMART; SM00406; IGV; 1.-
PROSITE; PS50835; IG_LIKE; 1.
Immunoglobulin domain; Immunoglobulin V region; Signal.
 12575 MW; 2DE47CDA3A17D555 CRC64;
 13-AUG-1987 (Rel. 05, Created)
13-AUG-1987 (Rel. 05, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
119 kappa chain V-III region VG precursor (Fragment).
Homo sapiens (Human).
 Q981P7 RHILO PRELIMINARY; PRT; 244 AA. Q981P7 CONTINUARY; CONTINUARY; CONTINUARY; CONTINUARY; CONTINUARY; CAPACHO CONTINUARY;
 EMBL; X01668; -; NOT_ANNOTATED_CDS; Genomic_DNA.PIR; A01900; K3HVVG.
HSSP; P01625; 1EEQ.
SMR; P04433; 21-115.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0005831; F:antigen binding; NAS.
InterPro; IPR007110; Ig-1ike.
InterPro; IPR003196; Ig-v.
 115 AA
 By similarity
 Mismatches
 Framework-3.
 Framework-2.
 Nucleic Acids Res. 12:9229-9236(1984).
 Rhizobium loti (Mesorhizobium loti).
Plasmid pMLa.
 ö
 OrderedLocusNames=mlr9286;
 Local Similarity 100.
nes 7; Conservative
 STANDARD;
 NUCLEOTIDE SEQUENCE.
 115
115 AA;
 DASNRAT 76
 1 DASNRAT 7
 NCBI_TaxID=9606;
 HUMAN
 NON TER
SEQUENCE
 20
 removed.
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 Query Match
 RHILO
 P04433;
 REGION
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 REGION
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 REGION
 KV31_HUMAN
 Matches
 RESULT 2
0981P7 RH
1D 09811
AC 09811
DT 01-0
DT 01-0
DT 01-0
DE Phos
GN Orde
OS Rhiz
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Arachchi H. M., Barna N., Babelleil A., Allen N., Anderson S., Arachchi H. M., Barna N., Bastien V., Bloom T., Boguslavkiy L., Arachchi H. M., Barna N., Bastien V., Bloom T., Boguslavkiy L., Choepel Y., Calvo S.E., Camarata J., Chang J., Choepel Y., Collymore A., Cook P., Cook P., Corum B., DeArellano K., Diaz J.S., Dodge S., Dooley K., Dorris L., Elkins T., Engels R., Erickson J., Faros S., Farreira P., FitzGerald M., Gage D., Galagan J., Agopian D., Hagos B., Hall J., Horton L., Hulme W., Illev I., Hagopian D., Hagos B., Hall J., Horton L., Hulme W., Illev I., Arells C., Landers T., Levine R., Lindblad-Toh K., Liu G., Lui A., Matchews C., Maucell E., McCarthy M., Meldrim J., Menes L., Manning J., Mitchew C., Marchey C., Murphy T., Naylor J., Nguyen C., Nicol R., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P., O'Neil D., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P., O'Neil D., Nielsen C.B., Peterson K., Phunkhang P., Pierre N., Petrcell S., Rachuyka A., Ramasamy U., Raymond C., Retta R., Rise C., Rogov P., Roman J., Schauer S., Schupback R., Seaman S., Severy P., Smirnov S.,
 'I' Mesornizonium Lout.:',
L. DNA Res. 7:331-338(2000).

C. -! SURCELLULAR LOCATION: Inner membrane-associated (By similarity).

C. -! SIMILARITY: Belongs to the ABC transporter family.

BEMBL; BAO00013; BABS4662.1; -; Genomic_DNA.

R GO; GO:000166; F:ATP binding; IEA.

BR GO; GO:000166; F:ATP binding; IEA.

BR GO; GO:000166; F:Nucleoride binding; IEA.

BR InterPro; IPR003593; AAA ATPass

BR InterPro; IPR003593; AAA ATPass

BR PROFONDS: BROCCLIA.

BR PROSTIE; PS00016; ABC transporter; 1.

BR PROSTIE; PS00021; AAA; I.

BR PROSTIE; PS00031; ABC TRANSPORTER 1; 1.

BR PROSTIE; PS00033; ABC TRANSPORTER 2; 1.

KW Nucleotide-binding; Complete proteome; Inner membrane;

KW Nucleotide-binding; Plasmid; Transport.

SEQUENCE 244 AA; 26169 MW; 37CC272D10FBBBDD CRC64;
 Kaneko T., Nakamura Y., Sato S., Asamizu E., Kato T., Sasamoto S., Watanabe A., Idesawa K., Ishikawa A., Kawashima K., Kimura T., Kishida Y., Kiyokawa C., Kohara M., Matsumoto M., Matsuno A., Mochizuki Y., Nakayama S., Nakazaki N., Shimpo S., Sugimoto M., Takeuchi C., Yamada M., Tabata S., "Complete genome structure of the nitrogen-fixing symbiotic bacterium
 Gaps
 ö
 Gibberella zeae PH-1.
Bukarycota; Mungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Hypocreomycetidae; Hypocreales; Nectriaceae; Gibberella.
NCBI_TaxID=229533;
 2; Length 244;
 Indela
 Last sequence update)
Last annotation update)
 ..
 100.0%; Score 34; DB 100.0%; Pred. No. 10;
 0; Mismatches
 Created)
 PRT;
MEDLINE=21082930; PubMed=11214968;
 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31,
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10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
 DASNRAT 7
 Local Similarity
 NCBI_TaxID=10678;
 Lobocka M.B.;
 Hypothetical
SEQUENCE 20
 NUCLEOTIDE
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 Query Match
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 Matches
 RESULT 6
 Q8KJ91
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 BHHHAD
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 MEDLINE=84057693; PubMed=6315399; Hiebstand-Nauer R., lida S.; Hisestand-Nauer R., lida S.; Sequence of the site-specific recombinase gene cin and of its substrates serving in the inversion of the C segment of bacteriophage
 Gaps
Smith C., Spencer B., Stange-Thomann N., Stojanovic N., Stubbs M., Talamas J., Tesfaye S., Theodore J., Topham K., Travers M., Vaskatister B., Vorkataraman V.S., Viel R., Vo A., Wang S., Wilson B., Wu X., Wyman D., Young G., Zainoun J., Zembek L., Zimmer A., Zody M. Lander E.; Traminearum genome sequence."; Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.

-! CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
 Gaps
 HI BPP1
O77CH1 BPP1 PRELIMINARY; PRT; 200 AA.
O77CH1 O77CH1
O57CH1 DFP1 TEMBLE: 27, Created)
O5-JUL-2004 (TrEMBLE: 27, Last sequence update)
O5-JUL-2004 (TrEMBLE: 27, Last annotation update)
Hypothetical protein.
Bacteriophage P1
Viruses; dsDNA viruses, no RNA stage; Caudovirales; Myoviridae;
 ö
 NUCLEOTIDE SEQUENCE.
MEDLINES9033092; PubMed=9813202; DOI=10.1006/viro.1998.9405;
MEDLINES903092; PubMed R., Sandmeier H., Lehnherr H., Arber W.
"Accessory genes in the darA operon of bacteriophage P1 affect antirestriction function, generalized transduction, head morphogenesis, and host cell lysis.";
Virology 251:49-58(1998).
 ö
 91.2%; Score 31; DB 2; Length 106; 85.7%; Pred. No. 22;
 91.2%; Score 31; DB 2; Length 200; 85.7%; Pred. No. 45; 1; Mismatches 0; Indels
 0; Indels
 Hiestand-Nauer R.R.;
Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases
EMBL; AJ00741; CAA04282.1; -; Genomic_DNA.
 preliminary data.
EMBL; AACM01000300; EAA76929.1; -; Genomic DNA.
SEQUENCE 106 AA; 11178 MW; 706D51EB78CF7107 CRC64;
 11 protein.
200 AA; 21789 MW; 963BF97E150F64C8 CRC64;
 Created)
Last sequence update)
 203 AA
 1; Mismatches
 PRT;
 (TrEMBLrel. 05, (TrEMBLrel. 05,
 EMBO J. 2:1733-1740(1983).
 6; Conservative
 6; Conservative
 O21969 BPP1 PRELIMINARY;
021969;
01-JAN-1998 (TrEMBLrel. (
01-JAN-1998 (TrEMBLrel. C
 Query Match
Best Local Similarity
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| DANNRAT 12
 NUCLEOTIDE SEQUENCE
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DSSNRAT 43
 1 DASNRAT 7
 Query Match
Best Local Similarity
 1 DASNRAT 7
 Pl-like viruses.
NCBI_TaxID=10678;
 Hypothetical
 37
 SEQUENCE
 5
BPP1
 RESULT 4
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 RESULT 5
021969 E
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NUCLEOTIDE SEQUENCE.
MEDILINE=84057693; PubMed=6315399;
Hiestand-Nauer R., Iida S.;
"Sequence of the site-specific recombinase gene cin and of its substrates serving in the inversion of the C segment of bacteriophage
 Gaps
 STRAIN=Mod749::ISS c1.100 mutant, and Mod1902::ISS c1.100 rev dmt; PubMed=15489417; DOI=10.1128/JB.186.21.7032-7068.2004; Lobocka M.B., Rose D.J., Plunkett G. III, Rusin M., Samojedny A., Lebnherr H., Yarmolinsky M.B., Blattner F.R.; "Genome of bacteriophage Pl."; "Genome of bacteriophage Pl."; J. Bacteriol. 186:7032-7068(2004).
 NUCLECTIDE SEQUENCE.
MEDLINE=99033092; PubMed=9813202; DOI=10.1006/viro.1998.9405;
MEDLINE=99033092; PubMed=9813202; DOI=10.1006/viro.1998.9405;
MIGHORITH ST., Sandmeier H., Lehnherr H., Arber W.;
"Accessory genes in the dark operon of bacteriophage Pl affect antirestriction function, generalized transduction, head morphogenesis, and host cell lysis.";
 Bacteriophage Pl.
Viruses; dsDNA viruses, no RNA stage; Caudovirales; Myoviridae;
Pl-like viruses.
 ö
 Length 203;
 Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases. EMBL; AJ000741; CAA04281.1; -; Genomic_DNA. EMBL; AF234172; AAQ13999.1; -; Genomic_DNA. EMBL; AF234173; AAQ14107.1; -; Genomic_DNA.
 Indels
 01-0CT-2002 (TrEMBLrel. 22, Created)
01-0CT-2002 (TrEMBLrel. 22, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
PUTATIVE PHOSPHONATE TRANSPORT ATP-BINDING PROTEIN PHNL.
 STRAIN=Mod749::ISS cl.100 mutant;
Rusin M., Samojedny A.;
Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
 Hiestand-Nauer R.R.;
Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.
 STRAIN=Mod1902::ISS c1.100 rev dmt;
E. coli Genome Project;
Submitted (PEB-2000) to the EMBL/GenBank/DDBJ databases
 ll protein.
203 AA; 22151 MW; B0339E2F992F1D74 CRC64;
 91.2%; Score 31; DB 2;
85.7%; Pred. No. 46;
ive 1; Mismatches
 STRAIN=Mod1902::185 c1.100 rev dmt;
 EMBO J. 2:1733-1740(1983).
Hypothetical protein (Hdf)
 OBKJ91 RHILO PRELIMINARY,
Q8KJ91;
 Conservative
 Virology 251:49-58(1998)
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE.
 SEOUENCE
 NUCLEOTIDE SEQUENCE
 NUCLEOTIDE SEQUENCE
 40 DSSNRAT 46
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 Gaps
 Satake M., Elango N., Venkatesan S.; "Sequence analysis of the respiratory syncytial virus phosphoprotein
 J. Virol. 52:991-994(1984).
-1- FUNCTION: This protein is probably a component of the active polymerase. It may function in template binding.
 ö
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 (By similarity).
(By similarity).
(By similarity).
(By similarity).
(By similarity).
(By similarity).
 116 Phosphoserine (By similarity)
117 Phosphoserine (By similarity)
118 Phosphoserine (By similarity)
143 Phosphoserine (By similarity)
156 Phosphoserine (By similarity)
161 Phosphoserine (By similarity)
162 Phosphoserine (By similarity)
 Score 31; DB 1; Length 241;
Pred. No. 56;
1; Mismatches 0; Indels
 91.2%; Score 31; DB 1; Length 241; 85.7%; Pred. No. 56; ive 1; Mismatches 0; Indels
 Human respiratory syncytial virus A (strain A2).
Viruses; ssRNA negative-strand viruses; Mononegavirales;
Paramyxoviridae; Pneumovirinae; Pneumovirus.
NCBI_TaxID=11259;
 21A9E45CA2DFD50C CRC64;
 21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
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 241 AA
 Phosphoserine
 Phosphoserine
 Phosphoserine
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 Phosphoserine
 EMBL; M11486; AAB59853.1; -; Genomic_RNA.
PIR; A04037; RRNZ.
 InterPro; IPR003487; Pneumo phosprot. Pfam; PF02478; Pneumo phosprot; 1.
 PRT;
 NUCLEOTIDE SEQUENCE [GENOMIC RNA].
 MEDLINE=85033973; PubMed=6548527;
 27148 MW;
 91.2%;
 Phosphoprotein (P protein)
 Conservative
 Conservative
 STANDARD;
 STANDARD;
 DANNRAT 18
 DANNRAT 18
 241 AA;
 7
 Query Match
Best Local Similarity
Matches 6; Conserv
 1 DASNRAT 7
 Local Similarity
 DASNRAT
Phosphorylation
 RRPP HRSVL
ID RRPP HRSVL
AC P12579;
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 RRPP HRSVA
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SEQUENCE
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 This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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 MEDLINE=2199272; PubMed=12003951;

MEDLINE=2199272; PubMed=12003951;

MILYUN J.T. Tzebiatowaki J.R., Cruickshank R.W., Gouzy J.,

A Sullyun J.T., Tzebiatowaki J.R., Cruickshank R.W., Gouzy J.,

Brown S.D., Elliot R.M., Fleetwood D.J., McCallum N.G., Rossbach U.,

Stuart G.S., Weaver J.E., Webby R.J., de Bruijn F.J., Ronson C.W.;

"Comparative sequence analysis of the symbiosis island of

Mesorhizobium loti strain R7A.";

J. Bacceriol. 184:3086-3095[2002].

-!- SUBCELLULAR LOCATION: Inner membrane-associated (By similarity).

-!- SUBCELLULAR LOCATION: Inner membrane-associated (By similarity).

-!- SUBCELLULAR LOCATION: Inner membrane-associated (By similarity).

C. -!- SUBCELLULAR LOCATION: Inner membrane-associated (By similarity).

REMBL, ALG72114; CAD31337.1; -; Genomic_DNA.

GO; GO:0016891; F:ATP binding; IEA.

RO; GO:0016891; F:ATP binding; IEA.

RO; GO:0016891; F:ATP binding; IEA.

RO; GO:0016891; ABC_transp_like.

R InterPro; IPR00393; AAA_ATPase.

R InterPro; IPR00006; ABC_transp_like.

R Probom; PD00006; ABC_transp_like.

R RART; SM0382; AAA; ILLIAR RARTER R. R
 "Nucleotide sequence of the respiratory syncytial virus phosphoprotein
 Gaps
 PROSITE; PS00211; AEC_TRANSPORTER_1; 1.
PROSITE; PS50893; AEC_TRANSPORTER_2; 1.
ATP-binding; Inner membrane; Membrane; Nucleotide-binding; Transport
SEQUENCE 239 AA; 25509 MW, 72CFB0F1CID03151 CRC64;
 Gen. Virol. 66:1607-1612(1985).
FUNCTION: This protein is probably a component of the active polymerase. It may function in template binding.
 ö
 Rhizobium loti (Mesorhizobium loti).
Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Phyllobacteriaceae; Mesorhizobium.
 91.2%; Score 31; DB 2; Length 239; 85.7%; Pred. No. 55; ive 1; Mismatches 0; Indels
 Viruses, ssRNA negative-strand viruses, Mononegavirales,
Paramyxoviridae, Pneumovirinae, Pneumovirus.
NCBI_TaxID=11250,
 01-07N-1990 (Rel. 13, Created)
01-07NN-1990 (Rel. 13, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Phosphoprotein (P protein).
 EMBL; M29342; AAA47416.1; -; mRNA.
InterPro; IPR003487; Pneumo_phosprot.
Pfam; PF02478; Pneumo_phosprot; 1.
 PRT;
 Human respiratory syncytial virus
 NUCLEOTIDE SEQUENCE [MRNA].
MEDLINE=85263554; PubMed=3839520;
Lambden P.R.;
 Conservative
 STANDARD;
 ||:||||
197 DAANRAT 203
 NUCLEOTIDE SEQUENCE
 Query Match
Best Local Similarity
Matches 6; Conserv
 1 DASNRAT 7
 HRSV
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Name-P;

RRPP\_HRSV

DT RRPPP

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DT 13-SE

DE Phosp

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OC Virus

OC VIRUS

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P14156

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Gaps

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Pringle C.R.;
"Identification of mutations contributing to the reduced virulence of a modified strain of respiratory syncytial virus.";
Vaccine 14:1637-1646(1996).
EMBL; U39662; AAC57023:1; -; Genomic_RNA.
GO; GO:0003968; F:RNA-directed RNA polymerase activity; IEA.
InterPro; IPRO03487; Pneumo_phosprot.
EMBL; PF02478; Pneumo_phosprot. 1.
SEQUENCE 241 AA; 27148 MW; 3EEC211478E4D42C CRC64;
 Pringle C.R.;
"Identification of mutations contributing to the reduced virulence of a modified strain of respiratory syncytial virus.";
Vaccine 14:1637-1646(1996).
 STRAIN=S2 telC;
MEDLINE=97185152; PubMed=9032893; DOI=10.1016/S0264-410X(96)00136-3;
Simman A Plows D.J., Matthews D.A.,
 Tolley K.P., Marriott A.C., Simpson A., Plows D.J., Matthews D.A., Longhurst S.J., Evans J.E., Johnson J.L., Cane P.A., Easton A.J.,
 STRAIN=A2;
MEDLINE=97078805; PubMed=8918930; DOI=10.1006/viro.1996.0618;
 EMBL; U39661; AAC57033.1; -; Genomic_RNA.

GO: GO:0003968; F:RNA-directed RNA polymerase activity; IEA.
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 Score 31; DB 2;
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CC Paramyzoviridae, Pheumovirial
CC Paramyzoviridae, Pheumovirial
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RN NCBI_TAXID=11250;
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 This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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 MEDLINE=97185152; PubMed=9032893; DOI=10.1016/S0264-410X(96)00136-3; Tolley K.P., Marriott A.C., Simpson A., Plows D.J., Matthews D.A., Longhurst S.J., Evans J.E., Johnson J.L., Cane P.A., Easton A.J.,
 NUCLEOTIDE SEQUENCE.
MEDIJNE=88323192; PubMed=3414184; DOI=10.1016/0168-1702(88)90020-2;
Lopez J.A., Villanueva N., Melero J.A., Portela A., "Nucleotide sequence of the fusion and phosphoprotein genes of human respiratory syncytial (RS) virus Long strain: evidence of subtype
 Navarro J., Lopez-Otin C., Villanueva N.;
"Location of phosphorylated residues in human respiratory syncytial
 J. Gen. Virol. 72:1455-1459(1991).
-!- FUNCTION: This protein is probably a component of the active
polymerase. It may function in template binding.
 ö
 DB 1; Length 241;
 Human respiratory syncytial virus A (strain Long).
Viruses; ssRNA negative-strand viruses; Mononegavirales;
Paramyxoviridae; Pneumovirinae; Pneumovirus.
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01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
01-OCT-1989 (Rel. 12, Created)
01-OCT-1989 (Rel. 12, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
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PIR; S07428; RRNAZP.
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241 AA;
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 NCBI_TaxID=11250;
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Wang L.T., Liu C.Q., Chang R.X.;
"Sequence analysis of phosphoprotein genes of respiratory syncytial
virus field strains isolated in China.";
Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi 14:366-369(2000).
 Zhao L.Q., Wang Z.L., Geng X.H., Qian Y., Deng J., Zhu R.N., Wang L.T., Liu C.Q., Chang R.X.; Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
 STRAIN-changehun, and guangzhou;
Zhao L.O., Wang Z.L., Geng X.H., Qian Y., Deng J., Zhu R.N.,
Wang L.T., Liu C.Q., Chang R.X.;
Submitted (NOV-2011) to the EMBL/GenBank/DDBJ databases.
EMBL; AF453423; AAL50980.1; -; mRNA.
EMBL; AF453423; AAL50980.1; -; mRNA.
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GO; GO:0003966; F:RNA-directed RNA polymerase activity; IEA.
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 MEDLINE=21364133; PubMed=11471029;
 Human respiratory syncytial virus.
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 Q8V219 HRSV PRELIMINARY;
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 Q8V218 HRSV PRELIMINARY;
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 MEDLINE-95266253; PubMed=7747420;
Connors M., Crowe J.E. Jr., Firestone C.Y., Murphy B.R., Collins P.L.;
"A cold-passaged, attenuated strain of human respiratory syncytial
virus contains mutations in the F and L genes.";
Virology 208:478-484(1995).
 "Nucleotide sequence analysis of the respiratory syncytial virus subgroup A cold-passaged (cp) temperature sensitive (ts) cpts-248/404 live attenuated virus vaccine candidate."; Virology 225:419-422(1996).
 B.R.;
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 "Acquisition of the ts phenotype by a chemically mutagenized cold-passaged human respiratory syncytial virus vaccine candidate results from the acquisition of a single mutation in the polymerase (L)
 STRAIN=changehun, and guangzhou;
MEDLINE=21364133; PubMed=11471029;
Zhao D.Q., Wang Z.L., Geng X.H., Qian Y., Deng J., Zhu R.N.,
Wang L.T., Liu C.C., Chang R.X.;
"Sequence analysis of phosphoprotein genes of respiratory syncytial virus field strains isolated in China.";
Virus field strains isolated in China.";
[2]
 Whitehead S.S., Juhasz K., Firestone C.Y., Collins P.L., Murphy F
"Recombinant respiratory syncytial virus (RSV) bearing a set of
mutations from cold-passaged RSV is attenuated in chimpanzees.";
J. Virol. 72:4467-4471(1998).
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 MEDLINE=97187925; PubMed=9035372;
Crowe J.E. Jr., Firestone C.Y., Whitehead S.S., Collins P.L.,
 GO; GO:0003968; F:RNA-directed RNA polymerase activity; IEA. ILGAEYRO; IPR03487; Pneumo phosprot.
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ive 1; Mismatches 0; Indels
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 Human respiratory syncytial virus.
Viruses; ssRNA negative-strand viruses; Mononegavirales;
Paramyxoviridae; Pneumovirinae; Pneumovirus.
NCBI_TaxID=11250;
 Last sequence update)
Last annotation update)
 Virus Genes 13:269-273(1996).

EMBL; U65644; AAC55965.1; -; Genomic RNA.

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01-MAR-2002 (TrEMBLrel. 20,
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 NUCLEOTIDE SEQUENCE.
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OrderedLocusNames=SPO0327;
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 Zhao L.Q., Wang Z.L., Geng X.H., Qian Y., Deng J., Zhu R.N., Wang L.T., Liu C.Q., Chang R.X.;
"Sequence analysis of phosphorotein genes of respiratory syncytial virus field strains isolated in China.";
Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi 14:366-369(2000).
 STRAIN=ATCC VR-26;
Pubmed=1594426; DOI=10.1128/JVI.79.14.9315-9319.2005;
Lo M.S., Brazas R.M., Holtzman M.J.;
"Respiratory Syncytial Virus Nonstructural Proteins NS1 and NS2"
"Respiratory Syncytial Virus Nonstructural Proteins Interferon Mediate Inhibition of Statz Expression and Alpha/Beta Interferon
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 TRAIN-beijing;
Zhao L.O., Wang Z.L., Geng X.H., Qian Y., Deng J., Zhu R.N.,
Wang L.T., Liu C.Q., Chang R.X.;
Submitted (NVOV-201) to the EMBL/GenBank/DDBJ databases.
EMBL, AF453422; AAL50987.1; -; mRNA.
GO, GO:0003968; F:RNA-directed RNA polymerase activity; IEA.
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Viruses; seRNA negative-strand viruses; Mononegavirales;
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 Responsiveness.";
J. Virol. 79:9315-9319(2005).
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MEDLINE=2237377; PubMed=12447439; DOI=10.1038/nature01183; Feng Q., Zhang Y., Hao P., Wang S., Fu G., Huang Y., Li Y., Zhu J., Liu Y., Hu X., Jia P., Zhang Y., Zhao Q., Ying K., Yu S., Tang Y., Weng Q., Zhang L., Lu Y., Mu J., Lu Y., Zhang L., Yu Z., Fan D., Lu X., Lu T., Li C., Wu Y., Sun T., Lei H., Li T., Hu H., Guan J., Ru M. M., Zhang R., Zhou B., Chen L., Jin Z., Wang R., Yin H., Cai Z., Chen L., Jin Z., Wang R., Yin H., Chen J., Kang H., Chen X., Shao C., Sun Y., Hu Q., Zhang Y., Wang L., Ding C., Sheng H., Gu J., Chen S., Ni L., Zhu G., Xue Y., Hun L., Lai Y., Cheng Z., Gu M., Jiang J., Li J., Hong G., Xue Y., Hun B.,
 WUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
STRAIN=DSS-3 / ATCC 700808 / DSM 19171;
PubbMed=15602564; DOI=10.1038/nature03170;
Moran M.A., Buchan A., Gonzalez J.M., Heidelberg J.F., Whitman W.B.,
Kiene R.P., Buchan A., John S., King G.M., Belas R., Fuqua C.,
Brinkac L.M., Lewis M., John S., Weaver B., Pai G., Eisen J.A.,
Rahe E., Sheldon W.M., Ye W., Miller T.R., Carlton J., Rasko D.A.,
Paulsen I.T., Ren Q., Daugherty S.C., DeBoy R.T., Dodgon R.J.,
Durkin A.S., Madupu R., Nelson W.C., Sullivan S.A., Rosovitz M.J.,
"Genome sequence of Silicibacter pomeroyi reveals adaptations to the
 Gaps
 Oryza sativa (Rice).
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoldeae, Oryzeae, Oryza.
Silicibacter pomeroyi.
Bacteria, Profeobacteria, Alphaproteobacteria, Rhodobacterales, Rhodobacteraces, Silicibacter.
NOBI_TaxID=89184;
 ö
 Length 279;
 Indels
 Complete proteome.
SEQUENCE 279 AA; 30995 MW; BDF7F64C5D5F867B CRC64;
 Nature 420:316-320(2002).

EMBL; ALG06594; CAE01637.3; -; Genomic DNA.

GO: GO: 0046872; F:metal ion binding; IEA.

GO: GO: 00001; P:metal ion transport; IEA.

SEQUENCE 437 AA; 47490 MW; 01B26CFCD6599A70 CRC64;
 01-OCT-2003 (TrEMBLrel. 25, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
 "Sequence and analysis of rice chromosome 4.";
 91.2%; Score 31; DB 2;
85.7%; Pred. No. 65;
 Nature 432:910-913 (2004).
EMBL; CP000031; AAV93445.1; -; Genomic_DNA.
InterPro; IPR001654; ATP8ynt_Asub.
InterPro; IPR001633; EAL.
Pfam; PF00563; EAL; 1.
SMART; SM00052; DUF2; 1.
PROSITE; PS00449; ATPASE A; UNKNOWN_I.
 437 AA.
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Q7xt71;
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Name=OSJNBa0029H02.23;
 6; Conservative
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212 DAANRAT 218
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 marine environment.
 1 DASNRAT 7
 Best Local Similarity
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Raylor K., Taylor R.G., Tivey A., Walsh S.V., Warren T., Whitehead S.,
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Raylor K., Taylor R.G., Tivey A., Walsh S.C., Mobiler R.,
Raylor M., Wangtreels E., Rieger M., Schaefer M., Mealler Auer S.,
Gabel C., Fuchs M., Duesterhoeft A., Erizc C., Holzer E., Moestl D.,
Hilbert H., Borzym K., Langer I., Beck A., Lehrach H., Wambutt R., Purnells B.,
Raylor T.M., Egger D., Zimmermann W., Wedler H., Wambutt R., Purnells B.,
Radlibert F., Aves S.J., Xiang Z., Hunt C., Moore K., Hurst S.M.,
Adlibert F., Aves S.J., Xiang Z., Hunt C., Moore K., Hurst S.M.,
Lucas M., Rochet M., Gaillardin C., Tallada V.A., Garzon A., Thode G.,
Raylor M., Raylor L., Jumer D., Barrell B.G., Armetrong J., Forsburg S.L.,
Shpakvokid G.V., Usser D., Barrell B.G., Nurse P.;
Ruture 415:81-806(2002).
RWBJ, Alli2675; CAB5568.1; -; Genomic_DNA.
RGJ GO:000554; Cindiquitin-protein ligase activity; IEA.
GO; GO:000554; Firblicase activity; IEA.
GO; GO:000567; Firblicase activity; IEA.
GO; GO:000577; Firblicase activity; IEA.
GO; GO:0005787; Firblicase C.
DR GO; GO:0005787; Firblicase C.
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DR GO; GO:0005787; Firblicase C.
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Bukaryota; Metazoa; Mollusca; Bivalvia; Pteriomorphia; Ostreoida;
Ostreoidea; Ostreidae; Crassostrea.
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Last annotation update)
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PROSITE; PS0089; ZF RING_2; 1.
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SEQUENCE 1375 AA; 159952 MW;
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 01-NOV-1998 (TrEMBLrel. 08, 01-NOV-1998 (TrEMBLrel. 08, 01-MAR-2003 (TrEMBLrel. 23,
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 O77246 CRAVI PRELIMINARY;
O77246;
 Tropomyosin (Fragment)
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916 DASNRST 922
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NUCLEOTIDE SEQUENCE.
 1 DASNRAT 7
 Name=tm-1;
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 MEDLINE=21648401; PubMed=11859360; DOI=10.1038/nature724; Mood V., Gwilliam R., Rajandream M.A., Lyne M.H., Lyne R., Stewart A., Sgourco J.G., Peat N., Hayles J., Baker S.G., Basham D., Bowman S., Brooks K., Brown D., Brown S., Chillingworth T., Churcher C.M., Collins M., Connor R., Cronin A., Davis P., Feltwell T., Fraser A., Gentles S., Goble A., Hamlin N., Harris D.B., Hidalgo J., Hodgson G., Holroyd S., Hornsby T., Howarth S., Huckle B.J., Hunt S., Jagels K., James K.D., Jones L., Jones M., Leather S., McDonald S., McDean J., Mooney P., Moule S., Mungall K.L., Murphy L.D., Niblett D., Odell C.,
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 Score 31; DB 2; Length 437;
Pred. No. 1.1e+02;
1; Mismatches 0; Indels
 91.2%; Score 31; DB 2; Length 758; 85.7%; Pred. No. 28+02; ive 1; Mismatches 0; Indels
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 DeLong E.F.; Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases
 05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Aldehyde oxidoreductase, molybdopterin-binding subunit.
ORFNames=EBACO00-65D02.26;
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Eukaryota, Fungi, Ascomycota, Schizosaccharomycetes;
Schizosaccharomycetales; Schizosaccharomycetae;
Schizosaccharomyces.
NCBI_TaxID=4896;
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Bacteria, environmental samples.
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85.7%;
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QESGY7;
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Best Local Similarity 85.7-
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Best Local Similarity 85.7
Matches 6; Conservative
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 RESULT 19
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MCLEOLIDE SEQUENCE.

X REDLINE=21396507; PubMed=11481430; DOI=10.1073/pnas.161294398;

X Gapela D., Barloy-Hubler F., Goury J., Bothe G., Ampe F., Batut J.,

Boistard P., Backer A., Bourty M., Cadieu E., Dreano S., Gloux S.,

Godile T., Goffeau A., Kahn D., Kiss E., Lelaure V., Masuy D.,

A Pohl T., Portectalle D., Puchler A., Purnelle B., Ramsperger U.,

Renard C., Thebault P., Vandenbol M., Weiner S., Galibert F.;

"Analysis of the chromosome sequence of the legume symbiont

"I shorhizohium maliloti strain 1021.";

RENBL, ALS91784; CAC45352.1; -; Genomic_DNA.

RENBL, ALS91784; ErfK.Ybis_YhnG.

Renard Proc. BarfK Ybis_YhnG.

Renard C., Renard Sci. U.S.A. 98:987-9882 (2001).

Renard Renard Sci. U.S.A. 98:987-9882 (2001).

Renard Renard Sci. U.S.A. 98:987-9882 (2001).

Renard Renard Sci. U.S.A. 98:987-9882 (2001).

Renard Renard Renard Sci. U.S.A. 98:987-9882 (2001).
 OrderedLocusNames=R00780; ORENames=SMc00925;
Rhizobium meliloti (Sinorhizobium meliloti).
Batceria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Rhizoblaceae; Sinorhizobium/Ensifer group; Sinorhizobium.
 PUTATIVE SIGNAL PEPTIDE PROTEIN.
 NUCLEOTIDE SEQUENCE.
 183 DAENRAT 189
 84 DGSNRAT 90
 Query Match
Best Local Similarity
 1 DASNRAT 7
 · 1 DASNRAT 7
 Query Match
 RESULT 25
TPM1_BIOGL
 Matches
 Matches
 RESULT 24
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 NUCLECTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].

NUCLECTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].

PubMed=15229592; DOI=10.1038/nature02579;

Nuclection of the state of the stat
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 OrderedLocusNames=YALIOE10835g;
Yarrowia lipolytica (Candida lipolytica).
Bukarryota; Fungi, Ascomycota; Saccharomyceties;
Saccharomycetales; Dipodascaceae; Yarrowia.
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 88.2%; Score 30; DB 2; Length 160;
85.7%; Pred. No. 62;
tive 0; Mismatches 1; Indels
 DB 2; Length 202;
Johnstone M.O., Wheeler A.P.;
Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF093290; AAC61869.1; -; mRNA.
HSSP; P42639; ICIG.
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 160 160
160 AA; 18444 MW; BEBD08D2A818AABB CRC64;
 202 AA; 22681 MW; 651FF07D3C5397AB CRC64;
 25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
 Last sequence update)
Last annotation update)
 Nature 430:35-44(2004).
EMBL; CR382131; CAG79388.1; -; Genomic_DNA.
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 InterPro; IPR00633; Tropomyosin. Brain; Propomyosin; 1. PRINTS; PR00194; TROPOMYOSIN. PROSITE; PS00326; TROPOMYOSIN; 1.
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 (TrEMBLrel. 19, (TrEMBLrel. 19, (TrEMBLrel. 22,
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01-DEC-2001 (TYEMBLYE1: 19,
01-DEC-2001 (TYEMBLYE1: 19,
01-OCT-2002 (TYEMBLYE1: 22,
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Q6C6BS;
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tes 6; Conservative
 6; Conservative
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 130 DCSNRAT 136
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Best Local Similarity
 1 DASNRAT 7
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SEQUENCE 202 AA
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 Query Match
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 RESULT 22
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 Crassostrea gigas (Pacific oyster).
Eukaryota, Metazoa, Mollusca, Bivalvia, Pteriomorphia, Ostreoida,
Ostreoidea, Ostreidae, Crassostrea.
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 WUCLEOTIDE SEQUENCE.
MEDLINE=21421176; PubMed=11529900;
DOI=10.1046/j.1365-2222.2001.01165.x;
Leung P.S.C., Chu K.H.;
"cDNA cloning and molecular identification of the major oyster allergen from the Pacific oyster Crassostrea gigas.";
Clin. Exp. Allergy 31:1287-1294(2001).
EMBL; AF239173; AAK96889.1; -; mRNA.
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88.2%; Score 30; DB 2; Length 231; 85.7%; Pred. No. 93; 1; Indels ive 0; Mismatches 1; Indels
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 233 AA; 26867 MW; 8F741877ACD4A137 CRC64;
 01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
 88.2%; Score 30; DB 2; 85.7%; Pred. No. 94;
 233 AA.
 0; Mismatches
 Interpro; IPR000533; Tropomyosin.
Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN.
 PROSITE; PS00326; TROPOMYOSIN; 1.
 OSSWYO_CRAGI
D OSSWYO_CRAGI
AC 095WYO_CRAGI PRELIMINARY;
AC 01-DEC-2001 (TEMBLE-1.19,
DT 01-DEC-2001 (TEMBLE-1.19,
DT 01-MAR-2003 (TEMBLE-1.19,
DT 01-MAR-2003 (TEMBLE-1.19,
DE TOOPOWYOSIN (FREMBLE-1.19,
DE TOOPOWYOSIN (TEMBLE-1.19,
DE TOOPOWYOSIN (
 Local Similarity 85.7
nes 6; Conservative
 6; Conservative
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FUNCTION: Tropomyosin, in association with the troponin complex,
 contraction.
 TPM HALDV
 SEQUENCE
 Query Match
 removed.
 removed.
 COLLED
 RESULT 27
TPM_HALDV
 Matches
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 Dissous C., Torpier G., Duvaux-Miret O., Capron A.;
"Structural homology of tropomyosins from the human trematode
Schistcosoma mansoni and its intermediate host Biomphalaria glabrata.";
Mol. Biochem. Parasitol. 43.245-255(1990).
I- FUNCTION: Tropomyosin, in association with the troponin complex,
plays a central role in the calcium dependent regulation of muscle
 Weston D.S., Kemp W.M., "Bentangerison of cloned tropomyosin antigens shared "Schistosoma mansoni: comparison of cloned tropomyosin antigens shared between adult parasites and Biomphalaria glabrata."; Exp. Parasitol. 76:338-370(1993).
 SUBDAIN: Homodimer (By similarity).

DOMAIN: The molecule is in a coiled coil structure that is formed by 2 polypeptide chains. The sequence exhibits a prominent seven-residues periodicity.

SIMILARITY: Belongs to the tropomyosin family.
 Gaps
 Biomphalaria glabrata (Bloodfluke planorb).
Bukaryota, Metazoa, Mollusca, Gastropoda, Pulmonata, Basommatophora,
Lymnaeoidea, Planorbidae, Biomphalaria.
 Eukaryota; Metazoa; Mollusca; Gastropoda; Pulmonata; Basommatophora;
Lymnaeoidea; Planorbidae; Biomphalaria.
NCBI_TaxID=6526;
 MEDLINE=91218806; PubMed=2090946; DOI=10.1016/0166-6851(90)90149-G;
 ö
 STRAIN=Brazilian;
MEDLINE-93292622; PubMed=7685709; DOI=10.1006/expr.1993.1044;
 88.2%; Score 30; DB 1; Length 284; 85.7%; Pred. No. 1.2e+02; ive 0; Mismatches 1; Indels
 13735417CE449AE8 CRC64;
 01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
01-NAY-2005 (Rel. 47, Last annotation update)
Tropomyosin 2 (TMII).
 (Rel. 32, Created)
(Rel. 32, Last sequence update)
(Rel. 47, Last annotation update)
 284 AA
 284 AA
 Biomphalaria glabrata (Bloodfluke planorb).
 By similarity.
 EMBL; M85199; AAA27817.1; -; mRNA.
PIR; A33085; A33085.
 HSSP, P42639; ICIG.
InterPro; IPR002017; Spectrin.
InterPro; IPR002013; Tropomyosin.
Pfam; PF00261; Tropomyosin; I.
PRINTS; PR00194; TROPOMYOSIN;
PROSITE; PS00326; TROPOMYOSIN; 1.
 284 AA; 32716 MW;
 Tropomyosin 1 (TMI) (Bg 39).
 6; Conservative
 STANDARD;
 STANDARD;
 234 DAENRAT 240
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE.
 Coiled coil; Repeat.
 1 DASNRAT 7
 Local Similarity
 NCBI_TaxID=6526;
 contraction.
 11-NOV-1995
 01-NOV-1995
10-MAY-2005
 TPM2 BIOGL
 SEQUENCE
 Query Match
 removed.
 Matches
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 NUCLEOTIDE SEQUENCE.
Chu K.H., Wong S.H., Leung P.S.C.,
"Tropomyosin is the major mollusc allergen: RT-PCR, expression and IgE
 reactivity.";
Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Tropomyosin, in association with the troponin complex,
plays a central role in the calcium dependent regulation of muscle
plays a central role in the calcium dependent regulation of muscle
 SUBGUIT: Homodimer (By similarity).

DOMAIN: The molecule is in a colled coil structure that is formed by 2 polypeptide chains. The sequence exhibits a prominent sevenresidues periodicity.

SIMILARITY: Belongs to the tropomyosin family.
 -1- SUBUNIT: Homodimer (By similarity).
-1- DOMAIN: The molecule is in a coiled coil structure that is formed by 2 polypeptide chains. The sequence exhibits a prominent seven-
 Gaps
 ô
 Eukaryota, Metazoa, Mollusca, Gastropoda, Orthogastropoda,
Vetigastropoda, Haliotoidea, Haliotidae, Haliotis
 Length 284;
 1; Indels
 By similarity.
2E6103712D9B4C33 CRC64;
 residues periodicity. SIMILARITY: Belongs to the tropomyosin family.
 88.2%; Score 30; DB 1; 1
85.7%; Pred. No. 1.2e+02;
iive 0; Mismatches 1;
 Q9GZ71;
29-MAR-2004 (Rel. 43, Created)
29-MAR-2005 (Rel. 43, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
 284 AA.
 EMBL; AF216518; AAG08987.1; -; mRNA.
 EMBL; M97554; AAA27816.1; -; mRNA.
 Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN.
PROSITE; PS00326; TROPOMYOSIN; 1.
 HSSP; P42639; 1C1G.
InterPro; IPR002017; Spectrin.
InterPro; IPR000533; Tropomyosin.
 InterPro; IPR002017; Spectrin.
InterPro; IPR000533; Tropomyosin.
 Haliotis diversicolor (Abalone)
 Pfam; PF00261; Tropomyosin; 1.
 284 AA; 32683 MW;
 6; Conservative
 STANDARD;
 284
 234 DAENRAT 240
 Coiled coil; Repeat
 P42639; 1C1G.
 Local Similarity
 1 DASNRAT 7
 NCBI_TaxID=36095;
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
 Chu K.H., Wong S.H., Leung P.S.C.; "Tropomyosin is the major mollusc allergen: RT-PCR, expression and IgE
 reactivity.";
Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Tropomyosin, in association with the troponin complex,
plays a central role in the calcium dependent regulation of muscle
 Bukaryota, Metazoa, Mollusca, Bivalvia, Pterlomorphia, Pectinoida,
Pectinoidea, Pectinidae, Mimachlamys.
NCBI TaxID=106276;
 SUBUNIT: Homodimer (By similarity).

DOMAIN: The molecule is in a coiled coil structure that is by 2 polypeptide chains. The sequence exhibits a prominent residues periodicity.

SIMILARITY: Belongs to the tropomyosin family.
 Mimachlamys nobilis (Noble scallop) (Chlamys nobilis).
 (Rel. 43, Created)
(Rel. 43, Last sequence update)
(Rel. 47, Last annotation update)
 EMBL; AF216520; AAG08989.1; -; mRNA.
HSSP; P42639; 1C1G.
 InterPro; IPR00533; Tropomyosin. Pfam; PP00261; Tropomyosin; 1. PRINTS; PR0194; TROPOMYOSIN.
 PS00326; TROPOMYOSIN; 1.
 SEQUENCE 284 AA; 32667 MW;
 NUCLEOTIDE SEQUENCE.
 PROSITE; PS00326; TR
Coiled coil; Repeat.
COILED
 contraction.
 30-MAY-2000 (
30-MAY-2000 (
10-MAY-2005 (
 Tropomyosin.
 Tropomyosin.
 TPM_MYTED
Q25457;
 Query Match
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Matches
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 RESULT 30
 TPM_MYTED

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 Dev. Genes Evol. 206:464-471(1997).
-1- FUNCTION: Tropomyosin, in association with the troponin complex, plays a central role in the calcium dependent regulation of muscle
 SUBUNIT: Homodimer (By similarity).

DOMAIN: The molecule is in a coiled coil structure that is formed by 2 polypeptide chains. The sequence exhibits a prominent seven-
 Degran B.M., Degnan S.M., Morse D.E.; "Regulation of tropomyosin gene expression and metamorphic differs among muscle systems examined at morphosis of the gastropod Haliotis
 Gaps
 Gaps
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 Query Match 88.2%; Score 30; DB 1; Length 284; Best Local Similarity 85.7%; Pred. No. 1.2e+02; Matches 6; Conservative 0; Mismatches 1; Indels
 Haliotis rufescens (California red abalone).
Eukaryota, Metazoa, Mollusca, Gastropoda, Orthogastropoda,
Vetigastropoda, Haliotoidea, Haliotidae, Haliotis.
 88.2%; Score 30; DB 1; Length 284; 85.7%; Pred. No. 1.2e+02; ive 0; Mismatches 1; Indels
 COILED 1 284 By similarity.
SEQUENCE 284 AA; 32823 MW; 3AAF5B3F0D3287F7 CRC64;
 By similarity.
7FCD287DAD26D627 CRC64;
 residues periodicity. SIMILARITY: Belongs to the tropomyosin family.
 29-WAR-2004 (Rel. 43, Created)
29-WAR-2004 (Rel. 43, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
 284 AA
 284 AA.
 EMBL; X75218; CAA53028.1; -; mRNA.
PIR; S38381; S38381.
 HSSP, P42639; ICIG.
InterPro; IPR00533; Tropomyosin.
Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN.
PROSITE; PS00326; TROPOMYOSIN.
Coiled coil; Repeat.
PRINTS; PR00194; TROPOMYOSIN.
PROSITE; PS00326; TROPOMYOSIN; 1.
 284 AA; 32773 MW;
 Query Match
Best Local Similarity 85.7°
 STANDARD;
 STANDARD;
 284
 234 DAENRAT 240
 234 DAENRAT 240
 Coiled coil; Repeat
 NUCLEOTIDE SEQUENCE
 1 DASNRAT 7
 1 DASNRAT 7
 Tropomyosin.
 rufescens."
 TPM_HALRU
 SEQUENCE
 TPM_MIMNO
Q9GZ69;
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 RESULT 29
 TPM MIMNO
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Nyitray L., Yang W., Szent-Gyorgyi A.G.;
Submitted (NOV-1995) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Tropomyosin, in association with the troponin complex,
plays a central role in the calcium dependent regulation of muscle
 Contraction.
SUBUNIT: Homodimer (By similarity).
DOMAIN: The molecule is in a coiled coil structure that is formed
DOMAIN: The molecule is in a coiled coil structure that is formed
by 2 polypeptide chains. The sequence exhibits a prominent seven-
residues periodicity.
SIMILARITY: Belongs to the tropomyosin family.
 Gaps
 Mytilus edulis (Blue mussel).
Eukaryota, Metazoa, Mollusca, Bivalvia, Pteriomorphia, Mytiloida,
Mytiloidea, Mytilidae, Mytilinae, Mytilus.
 ö
88.2%; Score 30; DB 1; Length 284; 85.7%; Pred. No. 1.2e+02; ive 0; Mismatches 1; Indels
 (Rel. 39, Created)
(Rel. 39, Last sequence update)
(Rel. 47, Last annotation update)
 284 AA
 TISSUE-Anterior byssus retractor muscle;
 Local Similarity 85.7 tes 6; Conservative
 STANDARD;
 234 DAENRAT 240
 NUCLEOTIDE SEQUENCE.
 1 DASNRAT 7
 NCBI_TaxID=6550;
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By similarity.
AADD83892359522C CRC64;

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TPM PERVI
Q9GZ70;
 SEQUENCE
Query Match
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 TISSUE-Anterior byssus retractor muscle;
Iwasaki K., Kikuchi K., Funabara D., Watabe S.;
"cDNA cloning of tropomyosin from the anterior byssus retractor muscle
of mussel and its structural integrity from the deduced amino acid
 contraction.
SUBUNIT: Homodimer (By similarity).
DOMAIN: The molecule is in a coiled coil structure that is formed by 2 polypeptide chains. The sequence exhibits a prominent sevenresidues periodicity.
SIMILARITY: Belongs to the tropomyosin family.
 Gaps
 Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases.
-- FUNCTION: Tropomyosin, in association with the troponin complex, plays a central role in the calcium dependent regulation of musc
 Tropomyosin.

Tropomyosin.

Wytlius galloprovincialis (Mediterranean mussel).

Eukaryosi Metazoa; Mollusca; Bivalvia; Pteriomorphia; Mytiloida;

Mytiloidea; Mytilidae; Mytilinae; Mytilus.
 ö
 88.2%; Score 30; DB 1; Length 284; 85.7%; Pred. No. 1.2e+02; ive 0; Mismatches 1; Indels
 By similarity.
; 5468021A8FEEFD62 CRC64;
 1 284 By similarity.
284 AA; 32798 MW; 546800E7A03EFD62 CRC64;
 30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
 284 AA
 EMBL; AB000907; BAA19209.1; -; mRNA.
HSSP; P42639; 1CIG.
InterPro; IPR002017; Spectrin.
InterPro; IPR000533; Tropomyosin.
 EMBL; U40035; AAA82259.1; -; mRNA. HSSP; P42639; 1C1G.
InterPro; IPR002017; Spectrin.
InterPro; IPR00053; Tropomyosin.
Pfam; PF00261; Tropomyosin; IPRINTS; PR00194; TROPOMYOSIN, IPROSITE; PS00326; TROPOMYOSIN; 1.
 PRT;
 Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN.
PROSITE; PS00326; TROPOMYOSIN; 1.
 284 AA; 32770 MW;
 Conservative
 STANDARD;
 Query Match
Best Local Similarity
....has 6; Conserval
 234 DAENRAT 240
 NUCLEOTIDE SEQUENCE.
 Coiled coil; Repeat.
 Coiled coil; Repeat
 1 DASNRAT 7
 TPM_MYTGA
P91958;
 SEQUENCE
 SEQUENCE
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 Chu K.H., Wong S.H., Leung P.S.C.; "Tropomyosin is the major mollusc allergen: RT-PCR, expression and IgE
 Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Tropomyosin, in association with the troponin complex, plays a central role in the calcium dependent regulation of muscle
 Gaps
 Gaps
 Tropomyosin.
Batinopecten yessoensis (Ezo giant scallop) (Yesso scallop).
Eukaryota; Metazoa; Mollusca; Bivalvia; Pteriomorphia; Pectinoida;
Pectinoidea; Pectinidae; Mizuhopecten.
 Tropomyosin.

Perna viridis (Tropical green mussel).

Bukaryota, Metazoa; Mollusca; Bivalvia; Pteriomorphia; Mytiloida;

Mytiloidea; Mytilidae; Mytilinae; Perna.
 -1- SUBUNIT: Homodimer (By similarity).
-1- DOMAIN: The molecule is in a coiled coil structure that is
by 2 polypeptide chains. The sequence exhibits a prominent
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 88.2%; Score 30; DB 1; Length 284;
85.7%; Pred. No. 1.2e+02;
tive 0; Mismatches 1; Indels
Score 30; DB 1; Length 284;
Pred. No. 1.2e+02;
0; Mismatches 1; Indels
 By similarity.
EE0B6FB4B2CB3D06 CRC64;
 Last sequence update)
Last annotation update)
 -!- SIMILARITY: Belongs to the tropomyosin family.
 29-MAR-2004 (Rel. 43, Created)
29-MAR-2004 (Rel. 43, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
 284 AA.
 EMBL, AF216519; AAG08988.1; -; mRNA.
HSSP; P42639; 1CtG.
InterPro; IPR002017; Spectrin.
InterPro; IPR000533; Tropomyosin.
 PRT;
 Created)
 Pfam; PF00261; Tropomyosin; 1. PRINTS; PR00194; TROPOMYOSIN. PROSITE; PS00326; TROPOMYOSIN; 1. Coiled coil; Repeat.
 284 AA; 32749 MW;
 88.2%;
 01-JUL-1997 (TrEMBLrel. 04, 01-JUL-1997 (TrEMBLrel. 04, 01-MAR-2003 (TrEMBLrel. 23,
 O09343 PATYE PRELIMINARY;
 residues periodicity.
 6; Conservative
 6; Conservative
 STANDARD;
 284
 NUCLEOTIDE SEQUENCE.
 DAENRAT 240
 234 DAENRAT 240
 Query Match
Best Local Similarity
 1 DASNRAT 7
 1 DASNRAT 7
 Best Local Similarity
Matches 6; Conserv
 contraction.
 reactivity."
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Gaps

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Name-tropomyosin;
Patinopecten yessensis (Ezo giant scallop) (Yesso scallop).
Eukaryota; Metazoa; Mollusca; Bivalvia; Pteriomorphia; Pectinoida;
Pectinoidea; Pectinidae; Mizuhopecten.
 Patinopecten yessoensis (Ezo giant scallop) (Yesso scallop).
Eukaryota, Metazoa, Mollusca, Bivalvia, Pteriomorphia, Pectinoida,
Pectinoidea, Pectinidae, Mizuhopecten.
NCBI_TaxID=6573;
 Length 284;
 Length 284;
 88.2%; Score 30; DB 2; Length 284 ilarity 85.7%; Pred. No. 1.2e+02; Conservative 0; Mismatches 1; Indels
 Hasegawa Y.;
Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
BMBL; AB05098; BAB17858.1; -; mRNA.
HSSP; P42639; 1CLG.
InterPro; IPR000533; Tropomyosin.
Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN; 1.
PROSITE; PS001326; TROPOMYOSIN; 1.
SEQUENCE 284 AA; 32708 MW; 6CCIE73AB13DDB9D CRC64;
 Hasegawa Y.;
Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AB050984; BAB17857.1; -; mRNA.
HSSP; P42639; 1C1G.
InterPro; IRR000533; Tropomyosin.
Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN.
HSSP; P42639; 1CIG.
InterPro; IRR005031; Spectrin.
InterPro; IRR005031; Tropomyosin.
Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00134; TROPOMYOSIN; 1.
PROSTTE; PS00326; TROPOMYOSIN; 1.
SEQUENCE 284 AA; 32850 MW; 7980939180557F59 CRC64;
 01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
 01-WAR-2001 (TrEMBLrel. 16, Created)
01-WAR-2001 (TrEMBLrel. 16, Last sequence update)
01-WAR-2003 (TrEMBLrel. 23, Last annotation update)
 88.2%; Score 30; DB 2; I 85.7%; Pred. No. 1.2e+02;
 284 AA.
 0; Mismatches
 PRT;
 Q9GUW8_PATYE
ID Q9GUW8_PATYE PRELIMINARY;
 QGUW9 PATYE PRELIMINARY;
Q9GUW9;
 6; Conservative
 234 DAENRAT 240
 Query Match
Best Local Similarity
6; Conserv?
 234 DAENRAT 240
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE.
 1 DASNRAT 7
 1 DASNRAT 7
 Best Local Similarity
 Name=tropomyosin;
 Tropomyosin.
 Tropomyosin.
 Query Match
 Q9GUW9 PATYE
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 RESULT 37
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 Counthan R.T., Degnan B.M., Preston N.P.;
Counthan R.T., Degnan B.M., Preston N.P.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL, AY320361, AAP8532.1, -; mRNA.
HSSP; P42639; 101G.
InterPro; IPR002017; Spectrin.
InterPro; IPR000533; Tropomyosin.
Pfam; PF00561; Tropomyosin.
PRINTS; PR00194; TROPOMYOSIN.
PRINTS; PR00194; TROPOMYOSIN.
PROSITE; PS00326; TROPOMYOSIN.
SEQUENCE 284 AA; 32901 MW; 425B71A5C2D02935 CRC64;
 Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
Vetigastropoda; Haliotoidea; Haliotidae; Haliotis.
NCBI_TaxID=109174;
 Length 284;
 Eukaryota, Metazoa, Mollusca, Gastropoda, Orthogastropoda,
Vetigastropoda, Haliotoidea, Haliotidae, Haliotis.
VCBI_TaxID=109174;
 88.2%; Score 30; DB 2; Length 284; 85.7%; Pred. No. 1.2e+02; ive 0; Mismatches 1; Indels
 1; Indels
 Nishita K., Inoue A., Ojima T.;
Submitted (JUN 1997) to the EMBL/GenBank/DDBJ databases.
EMBL; AB004636; BA200455.1; -; mRNA.
HSSP; P42639; 1C1G.
 Counihan R.T., Degnan B.M., Preston N.P.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AY320360; AAP85231.1; -; mRNA.
 Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN.
PROSITE; PS00326; TROPOMYOSIN; 1.
SEQUENCE 284 AA; 32598 MW; F4A3D2B090CACD10 CRC64;
 01-0CT-2003 (TrEMBLrel. 25, Created)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
 Created)
Last sequence update)
Last annotation update)
 88.2%; Score 30; DB 2; I
85.7%; Pred. No. 1.2e+02;
iive 0; Mismatches 1;
 284 AA
 01-OCT-2003 (TrEMBLrel. 25, 01-OCT-2003 (TrEMBLrel. 25, 01-MAR-2004 (TrEMBLrel. 26,
 Q7YZR3 9VEST PRELIMINARY;
Q7YZR3;
 O7YZR4 9VEST PRELIMINARY,
O7YZR4;
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 6; Conservative
 234 DAENRAT 240
 234 DAENRAT 240
 NUCLEOTIDE SEQUENCE.
 1 DASNRAT 7
 1 DASNRAT 7
 Local Similarity
 Haliotis asinina.
 Tropomyosin 1.
Haliotis asinina.
NCBI_TaxID=6573;
 Tropomyosin 2
 Query Match
 9VEST
 RESULT 35
0772284 9VE
10 077228
AC 077228
DT 01-0C
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Length 402;

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88.2%; Score 30; DB 2; Length 402
85.7%; Pred. No. 1.7e+02;
iive 0; Mismatches 1; Indels
 Complete proteome; Hypothetical protein.
SEQUENCE 402 AA; 45797 MW; A259EFB64830F527 CRC64;
InterPro; IPR000157; TIR.
 6; Conservative
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 Query Match
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Matches 6; Conserv
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 NCBI_TaxID=3702;
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 MEDLINE=22735913; PubMed=12835416; DOI=10.1073/pnas.1431443100; Gloeckner F.O., Kube M., Bauer M., Teeling H., Lombardot T., Glowig W., Gade D., Beck A., Borzym K., Heitmann K., Rabus R., Schlesner H., Amann R., Reinhardt R.; "Complete genome sequence of the marine planctomycete Pirellula sp.
 Tropomyosin (Fragment).

Name-tropomyosin:

Mather Tropomyosin:

Butinopecten yessoensis (Ezo giant scallop) (Yesso scallop).

Bukaryota; Metazoa; Mollusca; Bivalvia; Pteriomorphia; Pectinoida;

Pectinoidea; Pectinidae; Mizuhopecten.
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 OrderedLocusNames=RB10221;
Rhodopirellula baltica.
Bacteria; Planctomycetes; Planctomycetacia; Planctomycetales;
Planctomycetaceae; Pirellula.
NCBI_TaxID=117;
 88.2%; Score 30; DB 2; Length 284; 85.7%; Pred. No. 1.2e+02; ive 0; Mismatches 1; Indels
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 Haegawa Y.;
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; ABO462021; BAB01765.1; -; mRNA.
HSSP; P42639; 1C1G.
 gtrain 1.";
Proc. Nat1. Acad. Sci. U.S.A. 100:8298-8303(2003).
EMBL; BX294151; CAD78771.1; -; Genomic_DNA.
GO; GO:0015620; C:membrane; IEA.
GO; GO:0004898; F:transmembrane receptor activity; IEA.
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Pfam; PF00261; Tropomyosin; 1.
PRINTS; PR00194; TROPOMYOSIN.
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C. I. CATALYTIC ACTIVITY: AFTP + a protein - ADP + a phosphoprotein.

C. I. SIMILARITY: Belongs to the Ser/Thr protein kinase family.

EMBL; AC000103; AAF97970.1; -; Genomic_DNA.

GO; GO:0005524; F:ATP binding; IEA.

GO; GO:0004674; F:Protein serine/threonine kinase activity; IEA.

GO; GO:0004674; F:Protein amino acid phosphorylation; IEA.

InterPro; IPR00719; Prot kinase.

InterPro; IPR00719; Prot kinase.

InterPro; IPR008271; Ser Thr pkin_AS.

Ffam; PF00669; Pkinase: I.

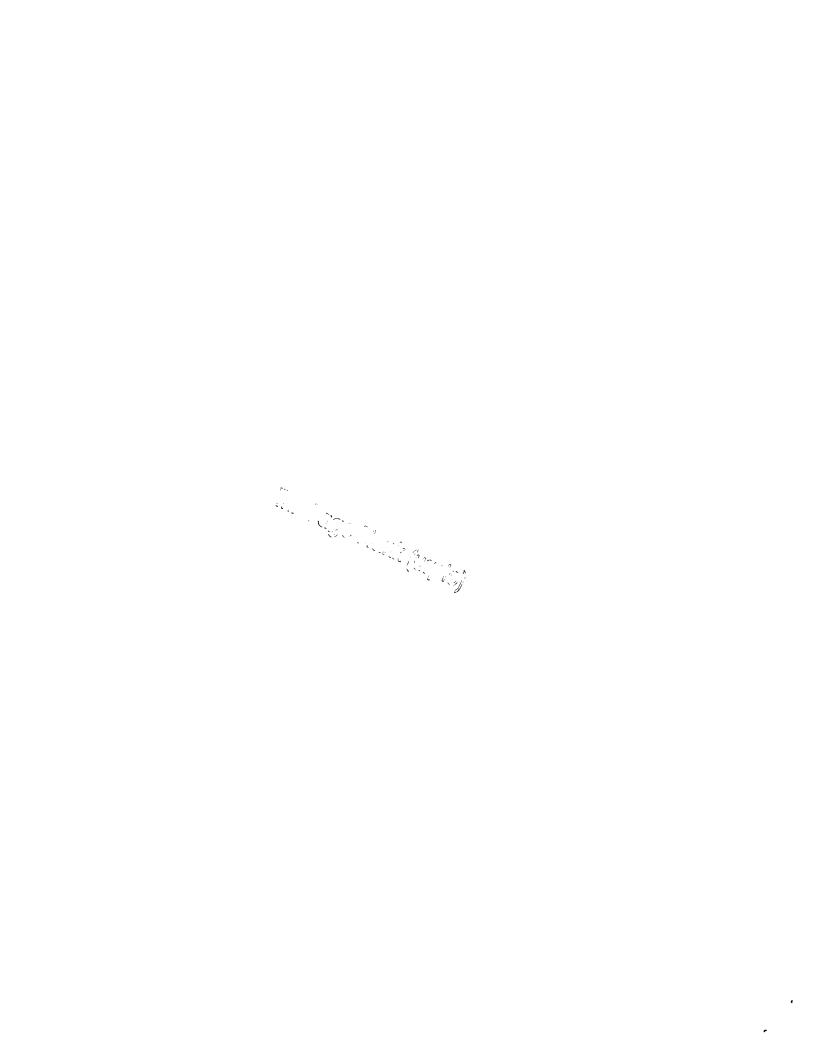
Pfam; PF00669; Pkinase: I.

Pfam; PF00669; Pkinase: I.
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PROSITE; PS00107; PROTEIN KINASE_ATP; 1.
PROSITE; PS50011; PROTEIN KINASE_DOM; 1.
PROSITE; PS00109; PROTEIN KINASE_ST; 1.
ATP-binding; Kinase; Levicine-rich repeat; Nucleotide-binding; Repeat; Serine/threonine-protein kinase; Transferase.
 Gaps
 NUCLEOTIDE SEQUENCE.
Johnson-Hopson C., Brooks S., Buehler E., Chao Q., Khan S., Kim C., Shinn P., Altafi H., Bei Q., Chin C., Chiou J., Choi E., Conn L., Conway A., Gonzales A., Hansen N., Howing B., Koo T., Lam B., Lee J., Lenz C., Li J., Liu A., Liu K., Liu S., Mukharsky N., Nguyen M., Palm C., Pham P., Sakano H., Schwartz J., Southwick A., Thaveri A., Toriumi M., Vaysberg M., Yu G., Federspiel N.A., Theologis A.,
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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 Length 886;
 88.2%; Score 30; DB 2; Length 886
85.7%; Pred. No. 4.18+02;
vative 0; Mismatches 1; Indels
 Ecker J.R.;
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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Q9FYKO_ARATH PRELIMINARY;
Q9FYKO;
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 number of results predicted by chance to have a an or equal to the score of the result being printed, analysis of the total score distribution.
 ; Search time 45.5172 Seconds (without alignments) 77.224 Million cell updates/sec
 Description
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Adm619311
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 Aau76334 1
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Adj73534 1
 Aau76332
 2443163
 GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd
 Total number of hits satisfying chosen parameters:
 2443163 segs, 439378781 residues
 SUMMARIES
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
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 protein search, using sw model
 AAU76332
AEB12791
ADB9876
ADB9876
ADB19876
ADS19311
ADW07089
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ABS1051
AEB01051
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geneseqp1990s:*
geneseqp2000s:*
geneseqp2001s:*
geneseqp2001as:*
geneseqp2003s:*
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 score greater than or equal to
and is derived by analysis of
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 seq length: 0
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The invention relates to an isolated mammalian anti-dual integrin antibody having at least one of the human heavy chain or light chain complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also included are the nucleic acids encoding the CDRs, a vector comprising the nucleic acids, a host cell comprising the vector, an anti-idiotype antibody that binds to the anti-dual integrin, a medical device comprising the antibody that binds to the antibody by parenteral, subctuances, intravenous, intractionary, intractional, intractionary, intractions, intractionary, integrin related condition in an intentitie, gastic culcer, asthma, allergic rhinitis, Crohn's pathology, sickle cell anaemia, diabetes, cardiovascular disease such as anthonogy, arckle cell anaemia, diabetes, cardiovascular disease such as anterosclerosis, restenosis, angina pectoris, my viral, and fungal infections, pineumonia, leprosy, malaria, malignant disease such as leukaemia, chronic myelocytic leukaemia, Burkitt's
 Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
 Human; antibody, dual integrin; CDR; light chain variable region; LC CDR;
 medical device; immune related disease; rheumatoid arthritis; gastric ulcer; asthma; allergic thinitis; Crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; pneumonia; leprosy; malaria; malignant disease; neurological disease; multiple solerosis; Parkinson's disease; Alzheimer's disease; creutzfeldt-Jakob disease.
 Human lig
Anti-Tie
Novel hum
 Human anti-dual integrin antibody light chain variable region CDR3.
 Aeb01068 1
Ady33953
 Aea53874
 Trikha M;
 ALIGNMENTS
 /note= "Encoded by CCT"
 Snyder L,
AEA53874
AEB01068
ADY33953
 Location/Qualifiers
 Claim 29; Page 134; 144pp; English.
 AAU76332 standard; peptide; 8 AA
 07-AUG-2001; 2001WO-US024784.
 07-AUG-2000; 2000US-0223363P.
01-AUG-2001; 2001US-00920267.
 Heavner G,
 (first entry)
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101
102
 (CENZ) CENTOCOR INC.
 WPI; 2002-217193/27.
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86.0
86.0
 Misc-difference
 Giles-Komar J,
 WO200212501-A2
 Homo sapiens
 21-MAY-2002
 14-FEB-2002
 644
 AAU76332;
 RESULT 1
 86 60
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The invention describes a monoclonal antibody (I) capable of neutralizing SARS-COV, binding to an epitope on a region of the spike protein of SARS-COV and neutralizing SARC-COV, or an servantibody (II) capable of neutralizing SARS-COV, binding to an epitope on a region of the spike neutralizing SARS-COV, binding to an epitope on a region of the spike or protein of SARS-COV, and the spike accompanient (III) and a carrier; a kit (IV) comprising (III) in one or more containers; a passive vaccine (V) against SARS-COV, comprising (III); comprising (I) and a carrier; a kit (IV) comprising (III) in one or more containers; a passive vaccine (V) against SARS-COV, comprising (III); containers; a passive vaccine (V) against SARS-COV, comprising (III); containers or careening (M2) for compounds that modulate the interaction between SARS-COV and the SARS-COV receptor ACE2; and enhancing (M3) the neutralization activity of MAD or SCFV 80K. (I) or (II) is useful for preventing a curronavirus-related disease or disorder. (I) is useful for treating a coronavirus-related disease or disorder. The coronavirus-clated disease or disorder. The coronavirus or clated disease or disorder is SARS. (I) is useful for detecting the presence of a coronavirus in a sample, which involves contacting the sample with (I), and detecting the presence of a coronavirus in a sample with coronaviru
 ö
 virucide, respiratory-gen.; vaccine; monoclonal antibody;
antibody production; diagnosis; therapeutic;
evere acute respiratory syndrome; sars coronavirus infection; antiviral;
respiratory disease; infection; single chain antibody; 80R;
light chain vraiable region.
 Novel monoclonal or scFv antibody capable of binding to epitope on region of spike protein of severe acute respiratory syndrome coronavirus (SARS-CoV) and neutralizing SARS-CoV, useful for treating SARS-COV infection.
 sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease, Creutzfeldt-Jakob disease and many other diseases given in the specification. The present sequence is an anti-dual integrin human light
 Gaps
lymphoma, multiple myeloma; neurological disease such as multiple
 ö
 Antibody 80R light chain variable region CDR SEQ ID NO 39.
 100.0%; Score 50; DB 5; Length 8; 100.0%; Pred. No. 2e+06;
 0; Indels
 0; Mismatches
 Claim 63; SEQ ID NO 39; 93pp; English.
 (DAND) DANA FARBER CANCER INST INC.
 AEB12791 standard; peptide; 9 AA.
 24-NOV-2004; 2004WO-US039750.
 25-NOV-2003; 2003US-0524840P
 (first entry)
 8; Conservative
 WPI; 2005-488568/49.
 œ
 Sui J;
 Local Similarity
 1 QORSNWPP
 OORSNWPP
 WO2005060520-A2
 Sequence 8 AA;
 Homo sapiens.
 08-SEP-2005
 07-JUL-2005
 Marasco W,
 chain CDR
 AEB12791;
 Query Match
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 This sequence is that of complementarity determining region 3 (CDR3) of the light chain of an anti-tumour necrosis factor (TNF) antibody. The invertion provides isolated human, primact, rodent, mammalian, chimeric, humanised and/or CDR-grafted anti-TNF antibodies, immunoglobulins, cleavage products and other specified portions and variants, as well as anti-TNF antibody compositions, encoding or complementary nucleic acids, vectors, host cells, compositions, formulations, devices, transgenic animals, transgenic plants, and methods of making and using them. The antibody comprises at least a portion of an immunoglobulin molecule, especially the heavy chain and/or light chain variable regions given in AAMS1165-66, or either all of the CDRs of the heavy chain (see AAMS1158-60) or all of the CDRs of the light chain (see AAMS1151-63). The
 complementarity determining region; antirheumatic; antiarthritic; antialcer; antiachmatic; antiallergic; antihilammatory; antisickling; antidiabetic; antiartherosclerotic; vasotropic; antianginal; cardiant; antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic;
 Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
sample. (I) is useful for identifying compounds useful to treat a SARS-Cov-related disease or disorder. The at least one SARS-Cov protein is provided as a SARS-Cov molecule. The at least one SARS-Cov protein is provided in a cell infected with the SARS-Cov (MI) is useful for vaccinating a patient against SARS-Cov. This is the amino acid sequence of anti-SARS-Cov spike protein of an N-terminal single chain (scFv) antibody 80R light chain variable region CDR.
 Gaps
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 Tumour necrosis factor alpha; TNF; antibody; heavy chain; CDR;
 Shealy D;
 Score 50; DB 9; Length 9;
Pred. No. 2e+06;
 0; Indels
 Anti-tumour necrosis factor antibody light chain CDR3.
 Scallon B,
 0; Mismatches
 Heavner G,
 Claim 21; Page 129; 131pp; English.
 Ā
 AAM51163 standard; peptide; 10
 100.0%;
 07-AUG-2000; 2000US-0223360P.
29-SEP-2000; 2000US-0236826P.
 07-AUG-2001; 2001WO-US024785
 01-AUG-2001; 2001US-00920137
 Giles-Komar J, Knight DM,
 (first entry)
 human; diagnosis; therapy.
 8; Conservative
 (CENZ) CENTOCOR INC.
 1 OORSNWPP 8
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QORSNWPP 8
 WPI; 2002-217194/27.
 Query Match
Best Local Similarity
Matches 8; Conserv
 WO200212502-A2
 Sequence 9 AA;
 Homo sapiens.
 10-JUN-2002
 14-FEB-2002
 AAM51163;
 RESULT 3
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antibody may inhibit TNF-induced cell adhesion molecules, inhibit TNF binding to receptor, or provide Arthritic Index improvement in a mouse model. It is useful for diagnosing or treating a TNF related condition in a cell, tissue, organ or animal (claimed) such as the archititis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology, sickle cell anemana, diabetes, a cardiovascular disease such as arteriosclerosis, atherosclerosis, restenosis, angina pectoris or myocardial infarction, an infectious disease in a cell auch as bacterial, viral, and fungal infections, pneumonia, leprosy and malaria, a malignant disease such as leukaemia, chronic myelocytic leukaemia, a malignant disease such as myeloma, or a neurological disease such as multiple sclerosis, parkinson's disease, spinal ataxia, Alzheimer's disease and Creutzfeldt-
 The present sequence is that of complementarity determining region 3 (DTR3) of the light chain variable region of claimed mammalian antitumour necrosis factor (TTP) antibodies of the invention. The CDR is derived from a human TNF reactive igo monoclonal antibody generated by cloning variable and constant region DNA in vector pC4 and expression in CHO cells. The invention provides isolated human, primate, rodent, mammalian, chimeric, humanized and/or CDR-grafted anti-TWR antibodies, immunoglobulins, their cleavage products, other specified portions and variants, as well as anti-TNR antibody compositions, uncleic acids encoding these, vectors, host cells, methods for producing the antibodies using a host cell, transgenic animal or transgenic plant or plant cell,
 Human, Tumour necrosis factor, TNF, antibody,
complementarity determining region; cytostatic, anabolic,
eating-disorders-gen; immunomodulator; antimicrobial; cardiovascular-gen;
 New isolated mammalian anti-tumor necrosis factor (TNF) antibody, useful for diagnosing or treating an anti-TNF related condition, e.g. cancer, anorexia, cachexia, or bacterial infection.
 Gaps
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 Human anti-tumour necrosis factor antibody light chain CDR3
 100.0%; Score 50; DB 5; Length 10; 100.0%; Pred. No. 0.055; ive 0; Mismatches 0; Indels
 Carton JM;
 ADD89876 standard; peptide; 10 AA
 Claim 2; Page 86; 87pp; English.
 24-MAR-2003; 2003WO-US009072
 26-MAR-2002; 2002US-0367903P
 Giles-Komar J, Scallon BJ,
 29-JAN-2004 (first entry)
 8; Conservative
 (CENZ) CENTOCOR INC
 æ
 WPI; 2003-804040/75.
 Query Match
Best Local Similarity
 1 QQRSNWPP
 1 QORSNWPP
 neuroprotective.
 WO2003083061-A2.
 Sequence 10 AA;
 Jakob disease
 Homo sapiens
 09-OCT-2003
 ADD89876;
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 RESULT 4
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The present sequence is that of complementarity determining region 3 (CDR3) of the human anti-interleukin-1 receptor type 1 (IL-1R1) monoclonal antibody (MAD) 26F5 and 27F2 light chain variable region ADM41547. Anti-IL-IR1 antibodies of the invention may comprise this CDR. ADM41547. Anti-IL-IR1 antibodies of the invention may comprise this CDR. These antibodies inhibit IL-1 signalling by competing with IL-1beta and IL-1aha antibodies inhibit IL-1 signalling by competing with IL-1beta and Chain antibodies single chain FV antibodies, Fab antibodies, Fab antibodies, Fab antibodies and (Fab')2 antibodies, are used in methods of treating IL-1 mediated diseases or for detecting the amount of IL-IR1 in a sample. IL-1 concensis, Alzheimer's disease, cachaxia, anorexia, asthma, athma, actions and tumour metaetasis, diabetes, conditions, cancer including clostridium associated illnesses, coronary conditions, cancer including fluckaemia and tumour metaetasis, diabetes, endometriosis, fever, fluckaemia and tumour metaetasis, diabetes, endometriosis, fever, fluckaemia and tumour metaetasis, diabetes bost disease, coecoarthritis, rheumatoid arthritis, inflammatory eye disease, ischaemia, Kawasaki's disease, learning impairment, lung diseases
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 antiasthmatic; antiinflammatory; dermatological; antiallergic; protozoacide; antirheumatic; antiarthritic; osteopathic; vasotropic; antianalgesic; nephrotropic; antianaemic; nootropic; anticonulsant; dermatological; antianaemic; nootropic; anticonulsant; dermatological; antiquut; antiparkinsonian; antidiabetic; cytostatic; complementarity determining region.
and therapeutic compositions, methods and devices. The antibody, nucleic acid, protein, composition and methods are useful for diagnosing or treating an anti-TNF related condition, e.g. cancer, anorexia, cachexia, or an immune, cardiovascular, infectious, and/or neurological disease.
 Interleukin-1 receptor type 1 antibody light chain variable region CDR3.
 Isolated human antibody that specifically binds interleukin-1 receptor type 1 (IL-1R1) useful for treating IL-1 mediated diseases such as rheumatoid arthritis, osteoarthritis and inflammatory conditions.
 Gaps
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 monoclonal antibody; antibody; interleukin-1; receptor;
 Huang H;
 100.0%; Score 50; DB 7; Length 10; 100.0%; Pred. No. 0.055; ive 0; Mismatches 0; Indels
 Martin F,
 Qian X,
 Claim 46; SEQ ID NO 74; 179pp; English.
 ADM41609 standard; peptide; 10 AA.
 Witte A,
 05-SEP-2003; 2003WO-US027978.
 36-SEP-2002; 2002US-0408719P
 Query Match
Best Local Similarity luv...
Lage 8; Conservative
 (first entry)
 Vezina C,
 WPI; 2004-248462/23.
 QORSNWPP 8
 (AMGE-) AMGEN INC
 WO2004022718-A2
 Sequence 10 AA;
 03-JUN-2004
 18-MAR-2004
 Varnum B,
Elliott G;
 ADM41609;
 Human;
 Homo
 RESULT 5
 ADM41609
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 This invention relates to novel antibody and antigen-binding fragments of antibodies that bind alphaE-beta7 integrin chains (CD103). Specifically, it refers to the binding of activation induced epitopes present on activated alphaE integrins, where these integrins are activated by exposure to divalent cations (e.g. Mn2+), to phorbol esters or suitable growth factors and/ or mitogens. The present invention describes the alphaE-beta7 integrin as a homing receptor that mediates lymphocyte migration to mucosal epithelium. As such, compositions of this invention such as treating a subject having an inflammatory bowel disease such as sethma and chronic bronchitis. Furthermore, such
 human; antibody; mAb 3G6; lymphocyte migration; inflammatory bowel disease; Crohn's disease; gastroenteritis; pulmonary inflammatory disease; asthma; chronic bronchitis; graft rejection; psoriasis; eczema; urticaria; scleroderma; autoimmune disease; multiple sclerosis; diabetes; glomerulonephritis; autoimmune thyroiditis; Behcet's syndrome; viral infection; cancer; neoplastic disease; leuksemia; lymphoma; antiinflammatory; antiasthmatic; immunosuppressive; antipsoriatic; dermatological; neuroprotective; antidiabetic; nephrotropic; virucide; cytostatic; vasotropic; alphaE-beta?.
 Novel antibody which binds activated alpha-E integrin, specifically to activation-induced epitope on integrin alpha-E chain (CD103), useful for treating inflammatory bowel diseases e.g., Crohn's disease,
multiple sclerosis, myopathy, osteoporosis, pain, Parkinson's disease, periodontal disease, pre-term labour, psoriasis, reperfusion injury, septic shock, side effects of radiation therapy, temporal mandibular joint disease, sleep disturbance, uveitis, or an inflammatory condition resulting from strain, sprain, cartilage damage, trauma, orthopaedic surgery, infection or other disease processes.
 Gaps
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 Light chain CDR3 peptide of human mAb 3G6 antibody SeqID 12.
 Length 10;
 0; Indels
 100.0%; Score 50; DB 8;
ilarity 100.0%; Pred. No. 0.055;
Conservative 0; Mismatchem n.
 Claim 8; SEQ ID NO 12; 67pp; English.
 ADS19301 standard; peptide; 10 AA
 14-JUN-2002; 2002US-00173551.
 14-JUN-2002; 2002US-00173551.
 (MILL-) MILLENNIUM PHARM INC
 (first entry)
 WPI; 2004-178738/17.
 Similarity
 OORSNWPP
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 gastroenteritis.
 US2003232387-A1.
 Sequence 10 AA;
 Homo sapiens
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 18-DEC-2003
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compositions of this invention

epithelium. As such,

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 eczema, urticaria, scleroderma, autoimmune diseases such as multiple sclerosis, diabetes, glomerulonephritis, autoimmune thyroiditis, Behcet's syndrome, viral infections, cancer and/or neoplastic diseases such as leukaemias and lymphomas. Accordingly, they exhibit antiinflammatory, antisathmatic, immunosuppressive, antipsoriatic, dermatological, neuroprotective, antidabetic, nephrotropic, virucide, cytostatic and vasocropic activities. This peptide sequence is a human antibody heavy chain complementarity determining region (CDR) that binds the integrin
 human; antibody; mAb 5E4; lymphocyte migration; inflammatory bowel disease; Crohn's disease; gastroenteritis; pulmonary inflammatory disease; asthma; chronic bronchitis; graft rejection; psoriasis; eczema; urticaria; scleroderma; autoimmune disease; multiple sclerosis; diabetes; glomerulonephritis; autoimmune thyroiditis; Behcet's syndrome; viral infection; cancer; neoplastic disease; leuksemia; lymphoma; antinflammatory; antiasthmatic; immunosuppressive; artipsoriatic; dermatological; neuroprotective; antidiabetic; nephrotropic; virucide; cytostatic; vasotropic; alphaE-beta7.
 Gaps
compositions can be used for inhibiting graft rejection, psoriasis,
 ö
 Light chain CDR3 peptide of human mAb 5E4 antibody SeqID 22.
 Length 10;
 0; Indels
 100.0%; Score 50; DB 8;
100.0%; Pred. No. 0.055;
iive 0; Mismatches 0
 $
 ADS19311 standard; peptide; 10
 alphaE chain of the invention.
 14-JUN-2002; 2002US-00173551.
 14-JUN-2002; 2002US-00173551.
 (MILL-) MILLENNIUM PHARM INC
 (first entry)
 Ouery Match
Best Local Similarity 100.
 1 QQRSNWPP 8
 OORSNWPP 8
 US2003232387-A1.
 Sequence 10 AA
 Homo sapiens.
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 18-DEC-2003
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 Musical for treating a subject having an inflammatory bowel disease such as Crohn's disease or gastroenteritis or pulmonary inflammatory diseases such as asthma and chronic bronchitis. Furthermore, such compositions can be used for inhibiting graft rejection, psoriasis, eczema, urticaria, scleroderma, autoimmune diseases such as multiple sclerodis, diabetes, glomerulonephritis, autoimmune thyroiditis, Behcet's syndrome, viral infections, cancer and/or neoplastic diseases such as leukaemias and lymphomas. Accordingly, they exhibit antinflammatory, antiathmatic, immunosuppressive, antipsoriatic, dermatological, vasotropic activities. This peptide sequence is a human antibody heavy chain complementarity determining region (CDR) that binds the integrin
 Tumour necrosis factor; TNP; immunotherapy; TNF related diseases; bobsity; immune related disease; rheumatoid arthritis; cardiovascular disease; stroke; mailgnant disease; betwaemia; neurological disease; multiple sclerosis; infection; hepatitis; neurological disease; multiple sclerosis; infection; hepatitis; neurofici; excebroprotective; vasotropic; cytostatic; neuropectetive; antibacterial; antillammatory; hepatotropic; virucide; anti-TNF antibody; CDR; complementarity determining region; human;
 The present invention relates to a mammalian anti-tumour necrosis factor (TMF) antibody capable of inhibiting binding of TNR alpha to TNF receptor. The invention is useful for diagnosing or treating an anti-TNF related condition in a cell, tissue, organ or animal and in
 Novel isolated mammalian anti-tumor necrosis factor (TNF) alpha antibody capable of inhibiting binding of TNF alpha to TNF receptor, useful for treating TNF-related diseases such as obesity or rheumatoid arthritis.
 Gaps
 ö
 100.0%; Score 50; DB 8; Length 10; 100.0%; Pred. No. 0.055; tive 0; Mismatches 0; Indels
 Human anti-TNF antibody light chain CDR1 peptide #2.
 Giles-Komar J, Scallon BJ, Carton JM;
 Claim 2; SEQ ID NO 14; 45pp; English.
 ADS64651 standard; peptide; 10 AA.
 alphaE chain of the invention.
 21-MAR-2003; 2003US-00394471
 21-MAR-2003; 2003US-00394471
 16-DEC-2004 (first entry)
 8; Conservative
 (GILE/) GILES-KOMAR J.
(SCAL/) SCALLON B J.
(CART/) CARTON J M.
 WPI; 2004-676151/66.
 Query Match
Best Local Similarity
Matches 8; Conserv
 1 QORSNWPP
 1 QORSNWPP
 US2004185047-A1
 Sequence 10 AA;
 Homo sapiens
 23-SEP-2004.
 ADS64651;
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 RESULT 8
 ADS64651
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This invention relates to novel antibody and antigen-binding fragments of antibodies that bind alphaE-beta7 integrin chains (CD103). Specifically, it refers to the binding of activation induced epitopes present on activated alphaE integrins, where these integrins are activated by exposure to divalent cations (e.g. Mn2+), to phorbol esters or suitable growth factors and/or mitogens. The present invention describes the alphaE-beta7 integrin as a homing receptor that mediates lymphocyte

Novel antibody which binds activated alpha-E integrin, specifically to activation-induced epitope on integrin alpha-E chain (CD103), useful for treating inflammatory bowel diseases e.g., Crohn's disease, gastroenteritis.

WPI; 2004-178738/17.

Claim 12; SEQ ID NO 22; 67pp; English.

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The invention describes an isolated binding member comprising at least one binding domain capable of specifically binding Streptococcus preumoniaes surface adhesin A (BBAA) protein, the binding domain having a dissociation constant Kd for PBAA which is less than 1 x10 -6 M. Also described are: an isolated nucleic acid molecule encoding at least a part of the binding member described above, a vector comprising the nucleic acid molecule of (1); a host cell comprising the nucleic acid molecule of (1); a cell line engineered to express the binding member described above (1); a cell line engineered to express the binding member described above (1); a cell an individual; a kit comprising at least one binding member described above, the antibody being labeled; and a pharmaceutical composition comprising at least one binding member is useful for producing a pharmaceutical composition for the treatment of Pneumococcus infection. The binding member, methods and composition are useful for treating or preventing an individual suffering
 ô
 antibacterial; antiinflammatory; immunosuppressive; antibody engineering; pharmaceutical; infection; pneumonia; meningitis; sepsis; pneumococcal surface adhesin A; PsaA; light chain variable region; complementarity determining region 3; CDR3; ds.
immunotherapy. The invention is also useful for treating TNF related diseases chosen from obesity, immune related disease such as rheumatoid arthritis, cardiovascular disease such as stroke, malignant disease such as leukaemia, neurological disease such as multiple sclerosis and bacterial or viral infections such as hepatitis. The present sequence is the human anti-TNF antibody light chain complementarity determining region 3 (CDR3) peptide.
 New binding member towards Streptococcus pneumoniae surface adhesin A
protein, useful for treating or preventing pneumonia, meningitis and/or
 Gaps
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 Length 10;
 0; Indels
 Kempe TD;
 100.0%; Score 50; DB 8;
100.0%; Pred. No. 0.055;
iive 0; Mismatches 0;
 Disclosure; SEQ ID NO 38; 137pp; English.
 Lundgren JD,
 ADW07089 standard; peptide; 10 AA.
 Anti-PsaA-antibody 9A7 VK CDR3.
 38-JUL-2004; 2004WO-DK000492.
 08-JUL-2003; 2003DK-00001044.
11-JUL-2003; 2003US-0486647P.
 Benfield TL,
 (first entry)
 Local Similarity 100.
nes 8; Conservative
 WPI; 2005-101476/11.
 OORSNWPP 8
 CORSIMPP 8
 (GENE-) GENESTO AS
 N-PSDB; ADW07088.
 WO2005003174-A1
 Sequence 10 AA;
 Sorensen AP,
 Ното варіепв
 07-APR-2005
 13-JAN-2005
 ADW07089;
 Query Match
 sepsis.
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The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: inhibits binding of IP-10 to CXCR3; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium monse IP-10; does not cross-react with human ITAC. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including calcium the action of a thing and arthitis; inflammatory bowel disease (e.g., ulcerative collitis, Crohn's disease), systemic lupus erythematous, Type I diabetes, inflammatory skin disorders (e.g., Graves', disease, Habhimoto's thyroiditis), Sjogren's syndrome, pulmonary disease, inflammation (e.g., asthma, chronic obstructive pulmonary disease,
 ö
 Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or
 meningitis and/or sepsis. This sequence encodes anti-pneumococcal surface adhesin A (PsaA)-antibody 9A7 kappa light chain variable region complementarity determining region 3 (CDR3).
associated with S. pneumoniae, e.g. pneumonia,
 antibody, IP-10; inflammation; immune disorder; dermatological disease; respiratory disease; neurological disease; degeneration; infection; Neuroprotective; Antiarchritic; Antirheumatic; Antiinflammatory; dastrointestinal-Gen.; Antiulcer; Dermatological; Immunosuppressive; Antidiabetic; Antisporiatic; Antichyroid; Antidiabetic; Respiratory-Gen.; Cerebroprotective; Vasotropic; Nootropic; Antiparkinsonian; Antiangiogenic; Antiarterlosclerotic; Virucide;
 Gaps
 Human IP10 antibody light chain variable region, CDR3, SEQ ID NO 79.
 ö
 Wang C;
 Score 50; DB 9; Length 10; Pred. No. 0.055; 0; Mismatches 0; Indels
 Srinivasan M, Cardarelli JM,
Lane TE, Keirstead HS, Liu
 Claim 15; SEQ ID NO 79; 179pp; English.
 AEB01051 standard; peptide; 10 AA.
 100.0%;
 10-DEC-2004; 2004WO-US041506.
 10-DEC-2003; 2003US-0529180P
 or diseases
 (first entry)
 8; Conservative
 Huang H,
Rangan VS,
 WPI; 2005-467095/47.
 autoimmune diseases.
 (MEDA-) MEDAREX INC
 Similarity
 1 QORSNWPP
 QQRSNWPP
 WO2005058815-A2
 Sequence 10 AA;
 Deshpande S,
 Homo sapiens.
 08-SEP-2005
 30-JUN-2005
 Passmore D,
 Query Match
Best Local S:
Matches 8
 AEB01051;
 RESULT 10
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us-10-720-323-6.rag

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spinal cord injury, brain injury (e.g., stroke), neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, gene therapy-induced inflammation, diseases of angiogenesis, inflammatory kidney disease (e.g., IgA nephropathy, membranoproliferative glomerulonephritis, rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial infection involving unwanted IP-10 activity in a subject, where the viral infection is mediated by HIV, HSV, HSV-1 or SARS virus. The present sequence represents the amino acid sequence of a human IP10 monoclonal antibody light chain variable region, CDR3.
 ö
 Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or autoimmune diseases.
 The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: inhibits binding of IP-10 to XCK3; inhibits IP-10 induced calcium flux; inhibits IP-10 induced cell migration; cross-reacts with rhesus monkey IP-10; does not cross-react with mouse IP-10; does not cross-react with human MIG; or does not cross-react with human MIG; or does not cross-react with human ITAC. The isolated human monoclonal antibody is
 antibody; IP-10; inflammation; immune disorder; dermatological disease;
 pulmonary sarcoidosis, lymphocytic alveolitis), transplant rejection,
 Gaps
 respiratory disease, neurological disease, degeneration, infection, Neuroprotective, Antiarthritic, Antirheumatic; Antiinflammatory; Gastrointestinal-Gen,; Antiinfler, Dermatological, Immunosuppressive, Antidiabetic, Antipsoriatic, Antithyroid, Antiasthmatic, Respiratory-Gen.; Cerebroprotective, Vasotropic, Nootropic, Antiaparkinsonian, Antiangiogenic, Antiarteriosclerotic, Virucide;
 Human IP10 antibody light chain variable region, CDR3, SEQ ID NO 74.
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 Wang
 100.0%; Score 50; DB 9; Length 10; 100.0%; Pred. No. 0.055;
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 0; Indels
 Srinivasan M, Cardarelli JM,
Lane TE, Keirstead HS, Liu M
 0; Mismatches
 Claim 15; SEQ ID NO 74; 179pp; English.
 AEB01046 standard; peptide; 10 AA.
 10-DEC-2004; 2004WO-US041506.
 10-DEC-2003; 2003US-0529180P.
 (first entry)
 8; Conservative
 Deshpande S, Huang H,
Passmore D, Rangan VS,
 1 QQRSNWPP 8
 WPI; 2005-467095/47.
 (MEDA-) MEDAREX INC
 Query Match
Best Local Similarity
 1 QORSNWPP
 WO2005058815-A2.
 Sequence 10 AA;
 Antibacterial
 08-SEP-2005
 30-JUN-2005.
 AEB01046;
 Homo
 Matches
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mirripre beterative colitis, Crohn's disease), systemic lupus erythematosus, Type I diabetes, inflammatory skin disorders (e.g., poriabis, lichen plannus), autoimmune thyroid disease (e.g., Graves' disease, Hashimoto's thyroiditis), Sjogran's syndrome, pulmonary inflammation (e.g., asthma, dronic obstructive pulmonary disease, pulmonary sarcoidesis, lymphocytic alveolitis), transplant rejection, spinal cord injury, brain injury (e.g., stroke), neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, gene therapy-induced inflammation, diseases of angiogenesis, inflammatory kidney disease (e.g., Alzheimer's diseases of angiogenesis, inflammatory catherosclerosis in is also useful for treating a viral or bacterial atherosclerosis. It is also useful for treating a viral or bacterial infection is mediated by HIV, HCV, HSV-I or SARS virus. The present sequence represents the amino acid sequence of a human IPIO monoclonal antibody light chain variable region, CDR3.
 ö
 The invention relates to a composition-of-matter comprising (a multimeric form of) an antibody or antibody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a
 fragment
 Gaps
useful for treating an inflammatory or autoimmune disease including multiple sclerosis, rheumatoid arthritis, inflammatory bowel disease
 Antibody, Pab, HLA-A2; Tax 11-19; human leukocyte antigen, antigen; T lymphocyte; antigen-presenting cell; B cell; dendritic cell; major histocompatibility complex; MHC class I; viral infection; human T lymphotropic virus-1 infection; viral oncoprotein; mycoplasma infection; bacterial infection; fungal infection; protezoal infection; phage display; light chain; CDR;
 complex,
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 or
 New composition comprising a multimeric form of an antibody which specifically binds an antigen-presenting portion of a useful for treating pathogen-associated diseases e.g., HIV.
 100.0%; Score 50; DB 9; Length 10; 100.0%; Pred. No. 0.055; ive 0; Mismatches 0; Indels
 Fab targeting HLA-A2/Tax11-19, T3E3, light chain CDR 3.
 (TECR) TECHNION RES & DEV FOUND LID.
 Claim 5; SEQ ID NO 19; 68pp; English.
 complementarity determining region.
 ADS52368 standard; peptide; 11 AA
 26-MAR-2003; 2003US-00396578.
 26-MAR-2003; 2003US-00396578
 (first entry)
 Conservative
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 WPI; 2004-735863/72.
 Reiter Y, Cohen C;
 Local Similarity
 1 QQRSNWPP
 OORSNWPP
 US2004191260-A1.
 Sequence 10 AA;
 Homo sapiens.
 16-DEC-2004
 30-SEP-2004.
 ADS52368;
 Query Match
 Matches
 RESULT 12
 ADS52368
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 CCCX8X444X8X1X48X6X6X6X6X8X4X4X66
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complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen. Also included are an isolated polynucleotide comprishing a mucleic acid sequence encoding an antigen papels of antibody fragment (the period papels of antibody fragment including an antigen-binding region capable of apthogen), another acid construct comprishing the isolated provincleotide above, and antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen, a more compressing an infection by a pathogen to acid construct above, a virus comprising the nucleic acid construct above, a host virus comprising the nucleic composed of a human antigen-presenting molecule and an antigen derived from a pathogen, a method of diagnosing an infection by a pathogen in antigen-presenting molecule and an antigen derived from a pathogen, a method of diagnosing an infection by a pathogen in antigen-presenting molecule and an antigen derived from a pathogen, a method of diagnosing an infection by a pathogen in an antigen-presenting molecule and an antigen derived from a pathogen an antigen-presenting molecule and an antigen and an antigen-presenting portion of a complex (composed of a human antigen-presenting molecule and an antigen pathogen and an antigen-presenting molecule and an antigen presenting portion of a complex as described above. The target of the antigody or antibody fragment of a complex as described be molecular and method of detecting in a blongical sample or a dendritic cell. The composition-of-matter further comprises a polythistidine tag. The blotth procein ligase is Birk, the fluorophore is polythistidine tag. The blotth procein ligase is Birk, the fluorophore or an antigen-presenting molecule and the portion which is a translocation domain and the enzyme is horsered any pathogen is restricted by the antigen derived from a pathogen is restricted by the antigen derived from a pathogen is restricted by the antigen derived from a pathogen is restricted 

100.0%; Score 50; DB 8; Length 11; 100.0%; Pred. No. 0.06; ive 0; Mismatches 0; Indels 8; Conservative 1 QORSNWPP 8 1 QORSNWPP 8 Query Match Best Local Similarity Matches ð 셤

Sequence 11 AA;

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AEA46154 standard; peptide; 11 AA. 11-AUG-2005 (first entry) AEA46154; 

Apolipoprotein E C-terminal domain antibody VL-CDR3 peptide #130.

Neuroprotective; Nootropic; Antidiabetic; Endocrine-Gen.; Nephrotropic; Antiparkinsonian; Anticonvulsant; Respiratory-Gen; Apolipoprotein E; Alzheimers disease; amyloidosis; Parkinsons disease; Huntingtons chorea; Kuru; Dementia; non-insulin dependent diabetes; Down syndrome;

The present invention relates to a human antibody or antibody fragment, which binds to the C-terminal domain of Apolipoprotein E (ApoE-CTD; AEA44803) and also to human plaques. The antibody or its fragment is useful for manufacturing a medicament for treating or preventing an camploid disorder such as Alzehaners disease, primary systemic amyloid disorder such as Alzehaners disease, primary systemic amyloidosis, secondary systemic amyloidosis, senila amyloidobly polyneuropathy II, familial myloidoply, Familial British Dementia, Hemodialysis-related amyloidosis, angiopathy, Familial British Dementia, Hemodialysis-related amyloidosis, camploidosis, Familial amyloidosis, Familial amyloidosis, Preditary renal amyloidosis, Pltuitary-gland amyloidosis, injection localized amyloidosis, Medullary carcinoma of the thyroid, Atrial amyloidosis, Familial Danish dementia (FDD), Downs Crastmann-Straussler-Scheinher Speradic Creutzfeldt-Jakob disease, Huntingtons disease, Familial amylorophic lateral sclerosis, and chronic obstructive pulmonary disease. The present sequence was used to New human antibody or antibody fragment which binds to a sequence of the C-terminal domain of Apolipoprotein E (ApoE-CTD), useful for manufacturing a medicament for treating or preventing an amyloid disorder Gaps Hoodenboom H; ö motor neurone disease; chronic obstructive pulmonary disease. 100.0%; Score 50; DB 9; Length 11; 100.0%; Pred. No. 0.06; 0; Indels Henderikx M, Hoet R, iquist J, Sunnemark D, Spongiform encephalopathy; Creutzfeldt Jakob disease; 0; Mismatches Nordstedt C, Goldschmidt T, Henderikx Hufton S, Andersson CV, Lindquist J, Example 23; Page 111; 392pp; English. 26-NOV-2004; 2004GB-00026043. 28-NOV-2003; 2003US-0525174P. 8; Conservative illustrate the invention e.g. Alzheimers disease. (ASTR ) ASTRAZENECA AB. (DYAX-) DYAX CORP. WPI; 2005-408785/42. 1 QORSNWPP 8 Query Match Best Local Similarity Matches B; Conserv Sequence 11 AA; Homo sapiens. 3B2408508-A. 01-JUN-2005 ò

AEB28693 standard; peptide; 11 AA. 22-SEP-2005 (first entry) QORSNWPP 8 AEB28693; RESULT 14 g

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Human CDR3 of T3E3 Fab specifically binding HLA-A2/Tax11-19, SEQ: 19. Diagnosis; therapeutic; infection; antimicrobial; light chain; T3E3.

US2005152912-A1

Homo sapiens.

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pharmaceutical composition comparising the above protein and a pharmaceutical carrier, methods of modulating angiogenesis or endothelial cell activity in the subject and methods for detecting the presence of a Tiel protein, in a sample. The composition and methods are useful for diagnosing, preventing or treating angiogenesis-related disorders (e.g. cancer) or inflammatory disorders, such as rheumatoid arthritis or psoriasis. These may also be used in drug screening procedures. The present sequence represents the light chain variable region of an
 virucide, respiratory-gen., vaccine, monoclonal antibody, antibody production, diagnosis, therapeutic, gevere acute respiratory syndrome, sars coronavirus infection, antiviral, respiratory disease, infection, single chain antibody; 80R; light chain vraiable region.
 The invention relates to an isolated protein that binds to Tiel (receptor tyrosine kinase) ectodomain. The protein comprises heavy and light chain immunoglobulin variable domain sequences. Also included an isolated nucleic acid comprising a coding sequence that encodes a polypeptide comprising an immunoglobulin heavy chain (HC) or light chain (LC) variable domain sequence (where the coding sequence is at least 85% identical to a reference sequence that encodes the HC variable domain of clone E3, G2, p-A1, p-A10, p-B1, p-B3, p-C6, p-D12, p-F3, p-F4, p-G3, s-A10, s-H4, or the coding sequence hybridizes to the reference sequence or its complement), a host cell that contains the nucleic acid nucleic acid, a pharmaceutical composition comprising the above protein and a
 New isolated proteins comprising heavy and light chain immunoglobulin variable domain sequences and that bind to Tiel ectodomain, useful for diagnosing, preventing or treating angiogenesis-related disorders or inflammation.
 present sequence represents the light chain variable region antibody that binds to human receptor tyrosine kinase Tie 1.
 100.0%; Score 50; DB 9; Length 102; 100.0%; Pred. No. 0.6;
 0, Indels
 Antibody 80R light chain variable region SEQ ID NO 20.
 Rookey K;
 0; Mismatches
 Kent RB,
 Example 3; SEQ ID NO 38; 171pp; English.
 (DAND) DANA FARBER CANCER INST INC.
 AEB12772 standard; protein; 106 AA
 Pieters H,
 25-NOV-2003; 2003US-0524840P.
 24-NOV-2004; 2004WO-US039750
 08-SEP-2005 (first entry)
 8; Conservative
 97
 Hoet R,
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 2005-202607/21
 Local Similarity
(DYAX-) DYAX CORP.
 1 QQRSNWPP
 OORSNWPP
 N-PSDB; ADY33960
 Sequence 102 AA;
 WO2005060520-A2
 Homo sapiens
 07-JUL-2005
 Hufton SE,
 AEB12772;
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 The present invention relates to a composition-of-matter which comprises an antibody or antibody fragment or a multimeric form of an antibody or antibody fragment or antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule (APM) and an antigen expension of the specific detection of the aptigen-presenting portion of the specific detection of the antigen-presenting portion of the complex and for diagnosing/treating various types of diseases associated with a pathogen infection by killing/damaging pathogen infected cells. The present sequence is a complementarity determining regions (CDR) of Fab light chain antibody specifically binding human leukocyte antigen (HLA-A2)/Tax11-19 complex. Tax11-19 is an antigen derived from Human T-lymphotropic virus 1 (HTLV-
 New composition-of-matter capable of specifically binding an antigen-
presenting molecule and a pathogen-derived antigen complexes, useful for
treating diseases associated with a pathogen.
 Receptor tyrosine kinase; Tie 1; light chain variable region; antibody engineering; angiogeneis; drug discovery; andisorder; antianglogenic; cardiovascular disease; cancer; cytostatic; neoplasm; inflammation; antiinflammatory; rheumatoid arthritis; antiarthritic; antirheumatic; immune disorder;
 Gaps
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 Anti-Tie 1 antibody PD10 light chain variable region protein.
 100.0%; Score 50; DB 9; Length 11; 100.0%; Pred. No. 0.06;
 0; Indels
 musculoskeletal disease; psoriasis; antipsoriatic; dermatological disease; antibody.
 Mismatches
 (TECR) TECHNION RES & DEV FOUND LTD.
 Claim 5; SEQ ID NO 19; 65pp; English
 ADY33961 standard; protein; 102 AA.
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 26-MAR-2003; 2003US-00396578
 09-MAR-2005; 2005US-00074803
 12-AUG-2004; 2004WO-US026116
 12-AUG-2003; 2003US-0494713P
 (first entry)
 Conservative
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 WPI; 2005-496781/50
 Cohen C;
 Similarity
8; Conserv
 OORSNWPP
 OORSNWPP
 WO2005019267-A2
 Sequence 11 AA;
 Homo sapiens
Synthetic.
 19-MAY-2005
 03-MAR-2005.
 14-JUL-2005
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Gaps

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 The invention describes a monoclonal antibody (I) capable of neutralizing SARS-CoV, binding to an epitope on a region of the spike protein of SARS-CoV binding to an epitope on a region of the spike protein of SARS-CoV, binding to an epitope on a region of the spike neutralizing SARS-CoV, binding to an epitope on a region of the spike protein of SARS-CoV, binding to an epitope on a region of the spike cortainering (M1) a patient against SARS-CoV. Also described are:

CC comprising (M1) and a carrier; a kit (IV) comprising (III) in one or more containers; a passive vaccine (V) against SARS-CoV, comprising (III); containers; a passive vaccine (V) against SARS-CoV, comprising (III); cortainers (M2) for compounds that modulate the interaction between SARS-COV acretivity of MAb or screeptor ACE2; and enhancing (M3) the neutralization activity of MAb or screep or ACE2; and enhancing (M3) the neutralization activity of MAb or screep or ACE2; and enhancing (M3) the neutralization activity of MAb or screep or ACE2; and enhancing (M3) the neutralization activity of MAb or screep or ACE2; and enhancing (M3) the neutralization activity of MAb or screep or ACE2; and enhancing (M3) the coronavirus-related disease or disorder. (I) is useful for detecting the presence of acronavirus in a sample, which involves contacting the sample with (I), and detecting the presence or a coronavirus in a sample. (I) is useful for identifying compounds useful to treat a SARS-COV protein is covaried as a SARS-COV modecule. The at least one SARS-COV protein is provided in a cell infected with the SARS-COV protein is provided in a cell infected with the SARS-COV protein is provided in a cell infected with the SARS-COV protein is a protein or an activity or the sample of t
 ö
 Novel monoclonal or scFv antibody capable of binding to epitope on region of spike protein of severe acute respiratory syndrome coronavirus (SARS-CoV) and neutralizing SARS-CoV, useful for treating SARS-CoV infection.
 This is the amino acid sequence
 anti-SARS-CoV spike protein N-terminal single chain (scFv) antibody
 Gaps
 Engineered template; single primer amplification; antibody library; nucleic acid amplification.
 .
0
 100.0%; Score 50; DB 9; Length 106; 100.0%; Pred. No. 0.62; ive 0; Mismatches 0; Indels
 Light chain clone HBPAXK9b 3E7 SEQ ID NO:142.
 vaccinating a patient against SARS-CoV.
 Example 2; SEQ ID NO 20; 93pp; English
 ABR54916 standard; protein; 107 AA
 80R light chain variable region.
 19-SEP-2002; 2002WO-US029889
 19-SEP-2001; 2001US-0323455P
 (first entry)
 (ALEX-) ALEXION PHARM INC.
 88 QQRSNWPP 95
 œ
 WPI; 2005-488568/49.
 Suf J;
 1 QORSNWPP
 Sequence 106 AA;
 WO2003025202-A2.
 30-JUN-2003
 Homo sapiens
 27-MAR-2003.
 Marasco W,
 Synthetic
 ABR54916;
 8
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The present invention describes a method (M1) for amplifying a nucleic acid strand. M1 comprises providing an engineered nucleic acid strand (S) acid strand. M1 comprises providing an engineered nucleic acid strand (S) having a predetermined sequence at one and a sequence complementary complementary to the predetermined sequence in the presence of a polymers and nucleotides under conditions suitable for polymerisation of the complementary complementary complements and nucleotides. Mso described is an engineered undelecated at rand (I) having a predetermined sequence at one end and a sequence complementary complementary. May be used to produce and the other end. M1 is useful for the predetermined sequence at the other end. M1 is useful for lighted products that can be used to protein encoded by the target sequence. M1 is useful to amplify a family complementary. M1 is useful not only for produce the polypeptide or protein encoded by the target sequence. M1 is useful to amplify a family complete acid sequence, but also for amplifying simultaneously complement arget nucleic acid sequence. Dicated on the same confiferent nucleic acid sequence. Dicated on the same confiferent nucleic acid sequence acid sequence of acid sequence of acid sequence of acid sequence of the present sequence.
 tgG kappa light chain variable region polypeptide HBPAXK9b SEQ ID 142.
 Amplifying nucleic acid by contacting engineered nucleic acid strand having predetermined sequence at one end and sequence complementary to predetermined sequence at other end, with primer having predetermined
 Сарв
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Lin Y, Renshaw M;
 100.0%; Score 50; DB 6; Length 107; 100.0%; Pred. No. 0.63;
 Lin
 DNA amplification; expression; light chain variable region
 0; Indels
 Renshaw M,
 0; Mismatches
Maruyama T,
 Bowdish KS,
 AEB19292 standard; protein; 107 AA.
 Example 3; Fig 8b-c; 68pp; English.
 Frederickson S,
 15-DEC-2004; 2004WO-US041945.
 Maruyama T, Frederickson S,
 15-DEC-2003; 2003US-00737252
 08-SEP-2005 (first entry)
 (ALEX-) ALEXION PHARM INC.
 8; Conservative
 96
 WPI; 2003-313359/30.
 WPI; 2005-488575/49.
 1 QORSNWPP 8
 Local Similarity
 OORSNWPP
 Sequence 107 AA;
 WO2005060641-A2.
 Homo sapiens
 07-JUL-2005
 Bowdish KS,
 invention
 AEB19292;
 sequence
 Query Match
 Best Loc
Matches
 AEB19292
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The invention describes a method of amplifying a nucleic acid encoding a portion of an antibody, involving annealing a primer to a template that encoded encoded a portion of the antibody, synthesizing a polynucleotide that is complementary to the portion of the template, separating the synthesized polynucleotide, annealing a template oligonucleotide to the synthesized polynucleotide, extending the synthesized polynucleotide and amplifying the polynucleotide. Also described are: producing (M2) an antibody contacting the diverse population of the polynucleotide. Also described are: producing (M2) an antibody a portion of an IgA antibody, contacting the diverse population of templates with a primer, which has a first portion which anneals to the templates with a primer, which has a first portion which anneals to the templates with a primer, which has a first portion of templates not anneal to the templates, and carrying out steps (b)-(f) of (M1); a numbal to the templates, and carrying out steps (b)-(f) of (M1); a contacting the library of IgA antibodies by (M2), and screening the library to identify one or more IgA antibodies by (M3). (M1) is useful for indentifying an antibody an antibody an antibody an antibody library. (M2) is useful for identifying an antibody having a desired binding specificity.

CM1) enables an improved nucleic acid amplification with decreased miscottion of antibody and an antibody having a desired binding specificity. Then the target sequence. This is the amino acid sequences other than the target sequence. This is the amino acid sequence of an IgG kappa light chain variable.
 ô
Amplifying nucleic acid encoding portion of antibody, by annealing primer to template encoding antibody, synthesizing polynucleotide complementary to template, annealing template to polynucleotide and amplifying
 Human; HER2; neu; erbB2; oncogene; cancer; antibody; immunotherapy; 3-F2;
1-D2; 2-E8; growth factor receptor.
 Gaps
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 100.0%; Score 50; DB 9; Length 107; 100.0%; Pred. No. 0.63; cive 0; Mismatches 0; Indels
 Human anti-HER2/neu antibody 2-E8 light chain.
 Disclosure; SEQ ID NO 142; 76pp; English
 AAB72884 standard; protein; 108 AA
 25-JUL-2000; 2000WO-US020272
 29-JUL-1999; 99US-0146313P.
 (first entry)
 Conservative
 WPI; 2001-168698/17.
N-PSDB; AAF75590.
 1 QORSNWPP 8
 (MEDA-) MEDAREX INC
 Local Similarity
 ||||||||
89 OORSNWPP
 Keler T, Deo Y;
 Seguence 107 AA;
 WO200109187-A2.
 polynucleotide
 Homo sapiens.
 8;
 08-FEB-2001.
 10-MAY-2001
 AAB72884;
 Query Match
 Best Loca
Matches
 RESULT 19
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 The present invention provides the protein and coding sequences for human monoclonal antibodies which bind specifically to the HERZ/neu growth factor receptor (also known as erbB2). These are designated 3-F2, 1-D2 and 2-E8. They can be used in the immunotherapy-based treatment and prognostis of cancers, particularly adenocarcinomas such as salivary gland, stomach, kidney, mammary gland, lung and squamous cell carcinomas, and ovarian cancer. The present sequence is part of an antibody of the
 human
 Tumour necrosis factor alpha; TNF; antibody; light chain; CDR; complementarity determining region; antitheumatic; antiatrathritic; antiallect; antiallectic; antiallectic; antiallectic; antiallectic; antiallectic; antiallectic; antiatherosclerotic; vasorropic; antianginal; cardiant, antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic; human; diagnosis; therapy.
 Gaps
New human monoclonal antibody that specifically binds to growth far receptor HER2/neu, for treating, preventing or diagnosing diseases characterized by aberrant HER2/neu expression e.g. cancers.
 Anti-tumour necrosis factor antibody light chain variable region.
 ö
 100.0%; Score 50; DB 4; Length 108; 100.0%; Pred. No. 0.63; ive 0; Mismatches 0; Indels
 Disclosure; Page 110; 113pp; English
 Location/Qualifiers
 AAM51165 standard; protein; 108 AA.
 57. .88
/label= FR3
89. .98
/label= CDR3
 07-AUG-2000; 2000US-0223360P.
29-SEP-2000; 2000US-0236826P.
01-AUG-2001; 2001US-00920137.
 07-AUG-2001; 2001WO-US024785
 24. .34
/label= CDR1
 50. .56
/label= CDR2
 35. .49
/label= FR2
 |. .23
/label= FR1
 99. .108
/label= J6
 10-JUN-2002 (first entry)
 8; Conservative
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QQRSNWPP 96
 (CENZ) CENTOCOR INC
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 Similarity
 QQRSNWPP
 Sequence 108 AA;
 WO200212502-A2
 Homo sapiens
 14-FEB-2002
 invention
 Query Match
Best Local S
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 89
 AAM51165;
 Key
Region
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 Matches
 RESULT 20
 AAM51165
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The present sequence is that of the light chain variable region of an anti-tumour necrosis factor (TNF) antibody of the invention. The invention provides isolated human, primate, rodent, mammalian, chimeric, humanised and/or complementarity determining region (CDR)-grafted anti-tumour necrosis facilities and complementarity determining region (CDR)-grafted anti-tumour and variants, as well as anti-TNF antibody compositions, formulations, devices, transgenic animals, transgenic compositions, formulations, devices, transgenic animals, transgenic plants, and methods of making and using them. The anti-TNF antibody compositions, formulations of an immunoglobulin molecule, especially the present sequence, or either all of the CDRs of the heavy chain in the present sequence, or either all of the CDRs of the heavy chain (see AAMS1158-60) or all of the CDRs of the light chain (see AAMS1161-65). The antibody may inhibit TNF-induced cell adhesion molecules, inhibit TNF binding to receptor, or provide Arthritic Index improvement in a mouse model. It is useful for diagnosing or treating a TNF related condition in a cell, tissue, organ or animal (claimed) such as rheumatoid arthritis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology, sickle cell anaemia, diabetes, a cardiovascular disease such as a leukaemia, chronic wiesense in a cell such as bacterial, viral, and fungal infections, pneumonia, leprosy and malaria, a malignant disease such as leukaemia, chronic weleosese in a cell such as multiple myeloma and multiple myelomy or a neurological disease such as multiple selences. Spinal ataxia, Alzheimer's disease and creuzfeldt-Jakob disease.
 Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
Scallon B, Shealy D;
Knight DM, Heavner G,
 Claim 9; Page 129-130; 131pp; English
 WPI; 2002-217194/27.
Giles-Komar J,
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100.0%; Score 50; DB 5; Length 108; 100.0%; Pred. No. 0.63; ive 0; Mismatches 0; Indels
 Query Match
Best Local Similarity 100.
 Sequence 108 AA;
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Gaps

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89 QORSNWPP 96 1 QORSNWPP 8 g ઠે

AAM51173 standard; protein; 108 AA 10-JUN-2002 (first entry) AAM51173; RESULT 21 

Human Vg/38K-type light chain variable region.

Tumour necrosis factor alpha; TNF; antibody; light chain; CDR; complementarity determining region; antirheumatic; antiarthritic; antidicer; antiathmatic; antiallergic; antinflammatory; antisickling; antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic; antinoginal; cardiant, antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic; human; diagnosis; therapy; Vg/38K.

Homo sapiens

1. .23 /label= FR1 24. .34 Region Region

Location/Qualifiers

Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy. Shealy D; Scallon B, Heavner G, 07-AUG-2000; 2000US-0223360P. 29-SEP-2000; 2000US-0236826P. 01-AUG-2001; 2001US-00920137. 07-AUG-2001; 2001WO-US024785. /label= CDR2 89. .98 /label= CDR3 'label= CDR1 'label= FR2 /label= FR3 99. .108 /label= J3 Giles-Komar J, Knight DM, . 88 (CENZ ) CENTOCOR INC WPI; 2002-217194/27. N-PSDB; ABL53513 40200212502-A2. 14-FEB-2002 Region Region Region Region Region 

Example 3; Fig 5; 131pp; English.

The present sequence is that of a human Vg/38K-type light chain variable region encoded by a human germline gene in a transgenic mouse used in human monoclonal antibody (mab) construction. A GermYv fusion was performed using spleen cells from a hybrid mouse containing human pronoclonal antibody transgenes that was immunised with recombinant human tumour necrosis factor (TNF) alpha. Human mabs were obtained that bound immobilised human TNF alpha with apparently high avidity. These mabs had a totally human 1961, kappa isotype. The mature portion of the light chain variable region of 2 of the mabs, TNV14 and TNV15, were identical (see AAM51174) to the present sequence, while the complementarity determining region (CDR) grafted anti-TNF antibodies human, primate, rodent, mammalian, chimaric, humanised and/or complementarity determining region (CDR) grafted anti-TNF antibodies artibody compositions, and cleavage products and variants, as well as anti-TNF antibodies, caribody compositions, and cleavage products and variants, as well as anti-TNF compositions, and methods of making and using them The anti-TNF cost cells, compositions, formulations, the margable regions given in the present sequence and in AAM5116, or either all of the CDRs of the present sequence and in AAM5116, or either all of the CDRs of the present sequence and in AAM5116, or either all of the CDRs of the molecules, inhibit TNF binding to receptor, or provide Arthritis, gastric uleer, astimma, and claims or animal (claims) arthritis, gastric uleer, astimma, and and such as an improvement in a mouse model. They are useful for diagnosing or treating a TNF related condition in a cell, tissue, organ or animal (crohn's pathology, sickle cell anemia, diabetes, a cardiovascular disease such as arteriosclerosis, atherosclerosis, restenosis, and tungal infections, pneumonial, leprosy and malaria, a malignant disease such as multiple myeloms, or a neurological customer. The letteral such as multiple sclatosis, pneumonial disease such as multiple delections,

Sequence 108 AA;

13

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The invention relates to an isolated mammalian anti-dual integrin
antibody having at least one of the human heavy chain or light chain
complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also
included are the nucleic acids encoding the CDRs, a vector comprising the
included are the nucleic acids encoding the vector, an anti-diotype.
The antibody that binds to the ant-dual integrin, a medical device comprising
the antibody suitable for administration by parenteral, subcutaneous,
the antibody suitable for administration in transcelebellar, intraversing a furth intracertilaginous, intractitary,
intracelebellar, or other routes as given in specification. The antibody
is useful for diagnosing or treating a dual integrin related condition in
constant and for astaple, immune related disease such as rheumatoid
architis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology,
constant and fungal infections, restenosis, angine pectoris,
conveardial infarction, infectious disease in a cell such as bacterial,
converse such as leukaemia, chronic myelocytic leukaemia, Burkitt's
converse such as leukaemia, chronic myelocytic leukaemia, Burkitt's
converse such as multiple myeloma; neurological disease such as multiple
converses, Parkinson's disease, spinal ataxia, Alzheimer's disease,
conversed and many other disease given in the
 ö
 Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
 Human; antibody; dual integrin; HC CDR; variable region; LC CDR; medical device; immune related dieease; rheumatoid arthritis; gastric ulcer; asthma; allergic Pihintis; Crohn; a pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; pneumonia; leprosy; malaria; malignant disease; leukaemia; chronic myelocytic leukaemia; multiple myeloma; neurological disease; multiple sclerosis; Parkinson's disease; Alzheimer's disease; Creutzfeldt-Jakob disease.
 Gaps
 ;
0
 Human anti-dual integrin antibody complete variable region #2.
 DB 5; Length 108;
 0; Indels
 Trikha M;
Score 50; DB 5;
Pred. No. 0.63;
 0; Mismatches
 Snyder L,
 AAU76334 standard; peptide; 108 AA
 Claim 1; Page 134; 144pp; English.
100.0%;
 07-AUG-2001; 2001WO-US024784.
 07-AUG-2000; 2000US-0223363P.
01-AUG-2001; 2001US-00920267.
 Ö
 (first entry)
 8; Conservative
 Heavner
 (CENZ) CENTOCOR INC.
 89 QORSNWPP 96
 1 QQRSNWPP 8
 WPI; 2002-217193/27.
 Query Match
Best Local Similarity
 Giles-Komar J,
 WO200212501-A2
 Homo sapiens.
 21-MAY-2002
 14-FEB-2002
 Matches
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 This invention relates to novel mammalian CDR mimetibodies, specific portions or variants thereof. Specifically, it refers to an antibody fragment where a protein has been inserted into, or replaces a portion of, one or more CDR regions, such that each CDR mimetibody comprises at least one portion of a heavy chain or light chain variable region, which itself comprises at least one human framework region and at least one ligand binding region (LBR). The present invention describes human mimetibodies, including modified immunoglobulins and cleavage products
 that can be useful in gene therapy and the generation of transgenic plants and animals. Furthermore, the CDR mimetibody is useful for preparing compositions for modulating, treating or reducing the symptoms of immune, cardiovascular, infectious, malignant and/ or neurologic diseases, as well as anaemia. Accordingly, they exhibit immunomodulator, cardiant, antimicrobial, cytostatic and neuroprotective activities. This polypeptide sequence is an erythropoietin light chain mimetibody of the
 mimetic; CDR mimetibody; gene therapy; transgenic; immune;
cardiovascular; infectious; malignant; neurologic disease; anaemia;
immunomodulator; cardiant; antimicrobial; cytostatic; neuroprotective;
specification. The present sequence is an anti-dual integrin human variable region containing at least one of the six CDRs listed above (AAU76327-AAU7632)
 Gaps
 New CDR mimetibody comprising a portion of a heavy or light chain variable region comprising human framework or ligand binding region, useful for preparing a composition for treating e.g., immune, cardiovascular or neurologic disease.
 ö
 100.0%; Score 50; DB 5; Length 108; 100.0%; Pred. No. 0.63; .ive 0; Mismatches 0; Indels
 Ghrayeb J;
 Erythropoietin light chain mimetibody SegID 989.
 Example 2; SEQ ID NO 989; 97pp; English.
 Scallon BJ,
 ADJ73533 standard; protein; 108 AA.
 24-MAR-2003; 2003WO-US009139.
 29-MAR-2002; 2002US-0368791P.
 (first entry)
 8; Conservative
 Heavner GA, Knight DM,
 89 QQRSNWPP 96
 œ
 (CENZ) CENTOCOR INC
 WPI; 2003-804237/75.
 Local Similarity
 1 QORSNWPP
 Sequence 108 AA;
 WO2003084477-A2.
 Sequence 108 AA;
 erythropoietin
 06-MAY-2004
 16-OCT-2003
 invention.
 Synthetic
 ADJ73533;
 Query Match
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Matches
 RESULT 23
 ADJ73533
 8X3333
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100.0%; Score 50; DB 7; Length 108;

Query Match

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ADI22138 standard; protein; 108 AA.

RESULT 25 ADI22138 22-APR-2004 (first entry)

ADI22138;

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ö
 This invention relates to novel mammalian CDR mimetibodies, specific portions or variants thereof. Specifically, it refers to an antibody of regament where a protein has been inserted into, or replaces a portion of, one or more CDR regions, such that each CDR mimetibody comprises at least one portion of a heavy chain or light chain variable region, which litself comprises at least one human framework region and at least one ligand binding region (DBR). The present invention describes human mimetibodies, including modified immunoglobulins and cleavage products that can be useful in gene therapy and the generation of transgenic plants and animals. Furthermore, the CDR mimetibody is useful for preparing compositions for modulating, treating or reducing the symptoms of immune, cardiovascular, infectious, malignant and/or neurologic
 diseases, as well as anaemia. Accordingly, they exhibit immunomodulator, cardiant, antimicrobial, cytostatic and neuroprotective activities. This polypeptide sequence is an erythropoietin light chain mimetibody of the
 mimetic; CDR mimetibody; gene therapy; transgenic; immune;
cardiovascular; infectious; malignant; neurologic disease; anaemia;
immunomodulator; cardiant; antimicrobial; cytostatic; neuroprotective;
 Gaps
 New CDR mimetibody comprising a portion of a heavy or light chain variable region comprising human framework or ligand binding region, useful for preparing a composition for treating e.g., immune, cardiovascular or neurologic disease.
 ö
 100.0%; Score 50; DB 7; Length 108; 100.0%; Pred. No. 0.63; ive 0; Mismatches 0; Indels
 0; Indels
 Ghrayeb J;
 Erythropoietin light chain mimetibody SegID 990.
100.0%; Pred. No. 0.63; tive 0; Mismatches
 Example 2; SEQ ID NO 990; 97pp; English
 Scallon BJ,
 ADJ73534 standard; protein; 108 AA
 24-MAR-2003; 2003WO-US009139
 29-MAR-2002; 2002US-0368791P.
 (first entry)
Best Local Similarity 100.
Matches 8; Conservative
 Heavner GA, Knight DM,
 (CENZ) CENTOCOR INC.
 OORSNWPP 96
 WPI; 2003-804237/75.
 1 OORSNWPP 8
 Query Match
Best Local Similarity
 Sequence 108 AA;
 WO2003084477-A2
 erythropoietin
 06-MAY-2004
 16-OCT-2003.
 Synthetic
 ADJ73534;
 83
 RESULT 24
 ADJ7353
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The present invention describes a method (M1) for identifying an antipactic platelet autoantibody [1] in a mammal. The autoantibody is detected by platelet autoantibody plage display library from B-lymphocytes obtained from the mammal, and screening the library to detect a phage that cromponent, where the screening pecifically binds with a platelet component, where the screening comprises panning the phage on intact platelets using competitive cell-comporate and include and antipact of a misolated muclaic acid encoding an anti-platelet autoantibody; (3) inhibiting (M2) blood clotting in a mammal having a thrombus or at risk of thrombus formation; (4) reversibly (M3) inhibiting blood clotting in a mammal having a thrombus or a trisk of thrombus formation; (8) platelet autoantibody or into platelet activation; (9) inhibiting (M8) platelet andresion in a mammal; (8) inhibiting (M3) platelet autoantibody, or its biologically activation; (10) inhibiting (M9) platelet autoantibody, or its biologically active fragment with a platelet autoantibody, (12) (14) a peptide that specifically binds with an antiplatelet autoantibody, (15) treating (M2) inhibiting (M3) platelet autoantibody, (15) treating (M2) inhibiting (M3) platelet autoantibody, (15) treating (M2) inhibiting platelet autoantibody, (15) treating (M2) inhibiting platelet autoantibody, (15) treating (M2) inhibiting platelet autoantibody, (15) treating (M2) inhibiting platelet autoantibody, (15) treating (M2) inhibiting platelet autoantibody, (15) treating (M2) inhibiting platelet autoantibody, (15) a peptide that specifically binds with a platelet aggregation, inhibiting platelet aggregation, inhibiting platelet aggregation, inhibiting platelet activation comprising an amount of an antiplatelet autoantibody, (15) treating (M2) inhibiting platelet activation comprising an amount of an antiplatelet autoantibody, (16) are platelet autoantibody, (16) and (16) and (16) are the autoantibody or the binding with platelet autoantibody, (16) and (16) and (16) are thrombo
 Anti-platelet autoantibody related light chain amino acid L76 SEQ:101
 anti-platelet autoantibody; autoantibody; blood clotting inhibition; thrombus; platelet adheaion inhibition; thrombotic thrombocytopenic purpura; platelet aggregation inhibition; idiopathic thrombocytopenic purpura; haemostatic; anticoagulant;
 Claim 12; SEQ ID NO 101; 232pp; English.
 03-JUL-2003; 2003WO-US021304.
 03-JUL-2002; 2002US-0394352P.
18-SEP-2002; 2002US-0411694P.
 (UYPE-) UNIV PENNSYLVANIA.
 WPI; 2004-142998/14.
 thrombolytic; human
 N-PSDB; ADI22085
 WO2004005890-A2
 sapiens.
 15-JAN-2004
 Siegel DL;
 Synthetic
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Gaps

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8; Conservative

Matches

QQRSNWPP 96

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1 QORSNWPP 8

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Lu C;
 Best Loc
Matches
 RESULT 27
 ADS19308
 888888888
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 This invention relates to novel antibody and antigen-binding fragments of antibodies that bind alpha-beta7 integrin chains (CD103). Specifically, it refers to the binding of activation induced epitopes present on activated alphas integrins, where these integrins are activated by exposure to divalent cations (e.g. Mn2+), to phorbol esters or suitable growth factors and/ or mitogens. The present invention describes the alphas-beta7 integrin as a homing receptor that mediates lymphocyte and are useful for treating a subject having an inflammatory bowel disease such as cohn's disease or gastroenteritis or pulmonary inflammatory are such as asthma and chronic bronchitis. Furthermore, such compositions can be used for inhibiting graft rejection, psoriasis, eczema, urticaria, soleroderma, autoimmune diseases such as multiple sclerosis, diabetes, glomerulonephritis, autoimmune thyroiditis, Behcet's
 human; antibody; mAb 3G6; lymphocyte migration; inflammatory bowel disease; Crohn's disease; gastroenteritis; juflammatory bowel disease; asthma; chronic bronchitis; graft rejection; psoriasis; eccaema; urticaria; scleroderma; autoimmune disease; multiple sclerosis; diabetee; glomerulonephritis; autoimmune thyroiditis; Behcet's syndrome; viral infection; cancer; neoplastic disease; leuksemia; lymphoma; antinflammatory; antiasthmatic; immunosuppressive; antipsoriatic; dermatological; neuroprotective; antidiabetic; nephrotropic; virucide; cytostatic; vasotropic; alphaE-beta7.
 for
 Gaps
 Novel antibody which binds activated alpha-E integrin, specifically t activation-induced epitope on integrin alpha-E chain (CD103), useful treating inflammatory bowel diseases e.g., Crohn's disease,
 the
 Light chain variable region of human mAb 3G6 antibody protein SeqID
clotting. The present sequence is used in the exemplification of
 ö
 Score 50, DB 8, Length 108;
Pred. No. 0.63;
Mismatches 0; Indels
 Disclosure; SEQ ID NO 9; 67pp; English.
 ADS19298 standard; protein; 108 AA.
 ö
 100.0%;
 14-JUN-2002; 2002US-00173551.
 14-JUN-2002; 2002US-00173551.
 (MILL-) MILLENNIUM PHARM INC
 (first entry)
 Conservative
 Query Match
Best Local Similarity
18, Conserve
 OORSNWPP 96
 WPI; 2004-178738/17.
N-PSDB; ADS19297.
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 present invention.
 OORSNWPP
 Sequence 108 AA;
 US2003232387-A1.
 gastroenteritis
 sapiens.
 18-NOV-2004
 .8-DEC-2003.
 Н
 68
 ADS19298;
 Ľu C;
 Ношо
 RESULT 26
 ADS19298
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syndrome, viral infections, cancer and/or neoplastic diseases such as leukaemias and lymphomas. Accordingly, they exhibit antiinflammatory, antiasthmatic, immunosuppressive, antipsoriatic, dermatological, neuroprotective, antidiabetic, nephrotropic, virucide, cytostatic and vasocropic activities. This polypeptide sequence is a human antibody that binds the integrin alphaE chain of the invention.
 human; antibody; mAb 5E4; lymphocyte migration; inflammatory bowel disease; Crohn's disease; gastroenteritis; pulmonary inflammatory disease; asthma; chronic bronchitis; graft rejection; psoriasis; eczena; urticaria; scleroderma; autoimmune disease; multiple sclerosis; diabetes; glomerulonephritis; autoimmune thyroiditis; Behcet's syndrome; viral infection; cancer; neoplastic disease; leukaemia; lymphoma; antinflammatory; antiasthmatic; immunosuppressive; antipsoriatic; dermatological; neuroprotective; antididabetic; nephrotropic; virucide; cytostatic; vasotropic; alphaE-beta7.
 This invention relates to novel antibody and antigen-binding fragments of
 antibodies that bind alphaE-beta7 integrin chains (CD103). Specifically, it refers to the binding of activation induced epitopes present on activated alphaE integrins, where these integrins are activated by exposure to divalent cations (e.g. MTA+), to phorbol esters or suitable growth factors and/ or mitogens. The present invention describes the alphaE-beta7 integrin as a homing receptor that mediates lymphocyte migration to mucosal epithelium. As such, compositions of this invention are useful for treating a subject having an inflammatory bowel disease such as Crohn's disease or gastroenteritis or pulmonary inflammatory
 Novel antibody which binds activated alpha-E integrin, specifically to activation-induced epitope on integrin alpha-E chain (CD103), useful for treating inflammatory bowel diseases e.g., Crohn's disease,
 Light chain variable region of human mAb 5E4 antibody protein SeqID 19.
 Gaps
 ö
 100.0%; Score 50; DB 8; Length 108; 100.0%; Pred. No. 0.63;
 Indels
 ö
 0; Mismatches
 Disclosure, SEQ ID NO 19; 67pp; English.
 ADS19308 standard; protein; 108 AA
 14-JUN-2002; 2002US-00173551
 14-JUN-2002; 2002US-00173551.
 (MILL-) MILLENNIUM PHARM INC
 18-NOV-2004 (first entry)
 8; Conservative
 96
 WPI; 2004-178738/17.
 σ
 Local Similarity
 1 QQRSNWPP
 N-PSDB; ADS19307.
 Sequence 108 AA;
 US2003232387-A1
 gastroenteritis
 Homo sapiens.
 ADS19308;
 Query Match
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 The invention describes an isolated binding member comprising at least one binding domain capable of specifically binding Streptococcus pneumoniae surface adhesin A (PasA) protein, the binding domain having a dissociation constant Kd for PasA which is less than 1 x10 ·6 M. Also described are: an isolated nucleic acid molecule encoding at least a part of the binding member described above; a vector comprising the nucleic acid molecule of (1); a host cell comprising the nucleic acid molecule of (1); a cell line engineered to express the binding member described above; detecting or disgnosing a disease or disorder associated with Pneumococcus in an individual; a kit comprising at least one binding member described above, the antibody being labeled; and a pharmaceutical composition comprising at least one binding member described above. The binding member is useful for producing a pharmaceutical composition for
diseases such as asthma and chronic bronchitis. Furthermore, such compositions can be used for inhibiting graft rejection, psoriasis, eczema, urticaria, scleroderma, autoimmune diseases such as multiple sclerosis, diabetes, glomerulonephritis, uroimmune thyroiditis, Behcet's syndrome, viral infections, cancer and/or neoplastic diseases such as antiasthmatic, immunosuppressive, antiporiatic, dermatological, neuroprotective, antidiabetic, nephrotropic, virucide, cytostatic and vasotropic activities. This polypetide sequence is a human antibody that binds the integrin alphaE chain of the invention.
 antibacterial; antiinflammatory; immunosuppressive; antibody engineering; pharmaceutical; infection; pneumonia; meningitis; sepsis; preumococcal surface adhesin A; PsaA; light chain variable region.
 New binding member towards Streptococcus pneumoniae surface adhesin A protein, useful for treating or preventing pneumonia, meningitis and/or
 Gaps
 ö
 DB 8; Length 108;
 100.0%; Score 50; DB 8; Length 10
100.0%; Pred. No. 0.63;
ive 0; Mismatches 0; Indels
 Lundgren JD,
 Disclosure; SEQ ID NO 40; 137pp; English.
 ADW07091 standard; protein; 108 AA
 08-JUL-2004; 2004WO-DK000492
 08-JUL-2003; 2003DK-00001044.
 Sorensen AP, Benfield TL,
 (first entry)
 Anti-PsaA-antibody 9A7 VK
 Query Match
Best Local Similarity luv.
8, Conservative
 QQRSNWPP 96
 WPI; 2005-101476/11.
 8
 (GENE-) GENESTO AS
 1 QORSNWPP
 N-PSDB; ADW07090
 Sequence 108 AA;
 WO2005003174-A1.
 Homo sapiens
 07-APR-2005
 13-JAN-2005
 ADW07091;
 89
 вервів.
 RESULT 28
 ADW07091
 888888888888888
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 The invention relates to a binding molecule, or its variant, capable of specifically binding to a severe acute respiratory syndrome (SARS)-coronavirus (CoV). The composition (including the binding molecule or its functional variant, or the immunoconjugate) is useful as a medicament for the diagnosis, prophylaxis or treatment of a condition resulting from a SARS-CoV, or in the preparation of the medicament. The present sequence represents a SARS coronavirus binding molecule light chain.
member, methods and individual suffering
 severe acute respiratory syndrome; diagnosis; Respiratory-Gen.; Virucide; respiratory disease; infection; antibody; light chain.
 composition are useful for treating or preventing an individual suffering from disorders or diseases associated with S. preumoniae, e.g. pneumoniae, meningitis and/or sepsis. This is the amino acid sequence of antipneumococcal surface adhesin A (PsaA)-antibody 9A7 kappa light chain
 New binding molecules that specifically bind to severe acute respiratory syndrome (SARS)-coronavirus (CoV), useful for diagnosing, preventing or treating conditions resulting from SARS-CoV.
 Gaps
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 Goudamit J;
 100.0%; Score 50; DB 9; Length 108; larity 100.0%; Pred. No. 0.63; Conservative 0; Mismatches 0; Indels
 treatment of Pneumococcus infection. The binding
 SARS coronavirus antibody light chain SEQ ID NO 88.
 Van Den Brink EN,
 Disclosure; SEQ ID NO 88; 633pp; English.
 ADX01832 standard; protein; 108 AA
 21-JUL-2004; 2004WO-EP051568
 2003WO-EP050391
2003WO-EP050723
2003WO-EP050883
 2004WO-EP050464
2004WO-EP050516
 De Kruif CA,
 2004WO-EP050334
 29-APR-2004; 2004WO-EP050643
 2003WO-EP050943
 2004WO-EP050067
 2004WO-EP050127
 (CRUC-) CRUCELL HOLLAND BV.
 (first entry)
 96
 WPI; 2005-142879/15.
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 Local Similarity
les 8; Conserv
 1 QORSNWPP
 OORSNWPP
 N-PSDB; ADX01831.
 SARS coronavirus
 variable region.
 Sequence 108 AA;
 Sequence 108 AA;
 WO2005012360-A2.
 Ter Meulen JH,
 22-JUL-2003;
 01-SEP-2003;
16-OCT-2003;
 24-NOV-2003;
 04-DEC-2003;
 02-FEB-2004;
 13-FEB-2004;
 19-MAR-2004;
 07-APR-2004;
 14-APR-2004;
 21-APR-2005
 10-FEB-2005
 83
 ADX01832;
 Query Match
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Matches
 RESULT 29
 ADX01832
 8888888888
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The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: inhibits binding of IP-10 to CXCR3; inhibits IP-10 induced call migration; cross-react with resus monkey IP-10; does not cross-react with mouse IP-10; does not cross-react with mouse IP-10; does not cross-react with mouse IP-10; does not cross-react with human MIG; or does not cross-react with human ITAC. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including multiple sclerosis, rheumatoid arthritis, inflammatory bowel disease (e.g., userative colitis, Crohn's disease), systemic lupus crychematosus, Type I diabetes, inflammatory skin disorders (e.g., Graves' Alsease, Hashimoto's thyroiditis), sjognen's syndrome, pulmonary cifease, Hashimoto's thyroiditis), sjognen's syndrome, pulmonary disease, pulmonary sarcoidosis, lymphocytic alveolitis), transplant rejection, cifease, asthma, chronic obstructive pulmonary disease, pulmonary sarcoidosis, lymphocytic alveolitis), transplant rejection, cifeases (e.g., Alzheimer's disease, Parkinson's diseases), gingivitis, gene therapy-induced inflammation, diseases of anglogenesis, inflammatory kidney disease (e.g., IgA nephropathy, membranoproliferative
 ö
 Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or autoimmune diseases.
 antibody; IP-10; inflammation; immune disorder; dermatological disease; respiratory disease; neurological disease; degeneration; infection; Neuroprotective; Antiarthritic; Antirheumatic; Antiflammatory; Gastrointestinal-Gen.; Antiulcer; Dermatological; Immunosuppressive; Antidiabetic; Antipsoriatic; Antithyroid; Antiasthmatic; Respiratory-Gen.; Cerebroprotective; Vasotropic; Nootropic; Antiparkinsonian; Antiangiogenic; Antiateriosclerotic; Virucide; Antibacterial; light chain variable region.
 Gaps
 ö
 Srinivasan M, Cardarelli JM, Wang C;
Lane TE, Keirstead HS, Liu MT;
 Human IP10 antibody light chain variable region, SEQ ID NO 85.
 DB 9; Length 108;
 0; Indels
 0.63;
100.0%; Score 50; DB
100.0%; Pred. No. 0.6
Live 0; Mismatches
 Claim 35; SEQ ID NO 85; 179pp; English.
 AEB01057 standard; protein; 108 AA.
 10-DEC-2004; 2004WO-US041506.
 10-DEC-2003; 2003US-0529180P.
 (first entry)
Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 Huang H,
Rangan VS,
 OORSNWPP 96
 WPI; 2005-467095/47.
 1 QORSNWPP 8
 (MEDA-) MEDAREX INC
 N-PSDB; AEB01083
 WO2005058815-A2
 ŝ
 Homo sapiens
 08-SEP-2005
 Passmore D,
 30-JUN-2005
 Deshpande
 AEB01057;
 89
 RESULT 30
 AEB01057
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glomerulonephritis, rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial infection involving unwanted IP-10 activity in a subject, where the viral infection is mediated by HIV, HCV, HSV-1 or SARS virus. The present sequence represents the amino acid sequence of a human IP10 monoclonal antibody light chain variable region.
 Isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human interferon gamma inducible protein 10 (IP-10), useful for treating viral or bacterial infection, or inflammatory or
 The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: inhibits binding of IP-10 to CXCR3; inhibits IP-10 induced calcium flux; inhibits IP-10; does not cross-react with mouse IP-10; does not cross-react with human IRA; or does not cross-react with human IRAc. The isolated human monoclonal antibody is useful for treating an inflammatory or autoimmune disease including multiple scleroais, rheumatoid arthritis, inflammatory bowel disease (e.g., ulcerative colitis, Crohn's disease), systemic lupus erythematosus, Type I diabetes, inflammatory skin disorders (e.g.,
 antibody; IP-10; inflammation; immune disorder; dermatological disease; respiratory disease; neurological disease; degeneration; infection; Neuroprotective; Antiarthritic; Antirheumatic; Antiinflammatory; Gastrointestinal-Gen; Antiolicer; Dermatological; Immunosuppressive; Antidiabetic; Antipsoriatic; Antithyroid; Antiasthmatic; Antipsorprotective; Vasotropic; Nootropic; Antipsarkinsonian; Antiangiogenic; Antiarteriosclerotic; Virucide; Antibacterial; light chain variable region.
 Gaps
 ö
 Wang C;
 Human IP10 antibody light chain variable region, SEQ ID NO 90.
 100.0%; Score 50; DB 9; Length 108; 100.0%; Pred. No. 0.63; ive 0; Mismatches 0; Indels
 Srinivasan M, Cardarelli JM,
Lane TE, Keirstead HS, Liu
 Claim 35; SEQ ID NO 90; 179pp; English.
 AEB01062 standard; protein; 108 AA.
 10-DEC-2004; 2004WO-US041506.
 10-DEC-2003; 2003US-0529180P.
 08-SEP-2005 (first entry)
 8; Conservative
 Huang H,
Rangan VS,
 89 QQRSNWPP 96
 00
 WPI; 2005-467095/47.
 (MEDA-) MEDAREX INC.
 autoimmune diseases
 Query Match
Best Local Similarity
Matches 8; Conserv
 1 QQRSNWPP
 N-PSDB; AEB01088.
 Sequence 108 AA;
 WO2005058815-A2
 Deshpande S,
 Homo sapiens
 30-JUN-2005.
 Passmore D,
 AEB01062;
 RESULT 31
 AEB01062
 88888888
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 New protein comprising an immunoglobulin heavy chain variable (VH) domain and an immunoglobulin light chain variable (VL) domain, useful for preparing a composition for treating or preventing a cancerous disorder.
 The present invention describes a protein comprising an immunoglobulin (Ig) heavy chain variable (VH) domain and an Ig light chain variable (VL) domain. The protein binds a complex comprising a major histocompatibility complex (MHC) and a peptide, does not substantially bind the MHC in the absence of the bound peptide, and does not substantially bind the peptide in the absence of the MHC. The peptide is a peptide fragment of gpl00, MUC1, TAX or hTERT. Also described: (1) a pharmaceutical composition
psoriamis, lichen planus), autoimmune thyroid disease (e.g., Graves' disease, Hashimoto's thyroiditis), Sjogren's syndrome, pulmonary inflammation (e.g., asthma, chronic obstructive pulmonary disease, pulmonary sarcoidosis, lymphocytic alveolitis), transplant rejection, spinal cord injury, brain injury (e.g., stroke), neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, gene therapy-induced inflammation, diseases of angiogenesis, inflammatory kidney disease (e.g., IgA nephropathy, membranoproliferative glomerulonephritis, rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial infection involving unwanted IP-10 activity in a subject, where the viral infection is mediated by HIV, HCV, HSV-1 or SARS virus. The present sequence represents the amino acid sequence of a human IPIO monoclonal antibody light chain variable region.
 immunoglobulin; Ig; heavy chain variable domain;
light chain variable domain; major histocompatibility complex; MHC;
gpl00; MUC1; TAX; hTERT; cytostatic; gene therapy; cancerous disorder;
 Gaps
 Human antibody T3F1 light chain amino acid sequence SEQ ID NO:76
 ö
 100.0%; Score 50; DB 9; Length 108; 100.0%; Pred. No. 0.63;
 0; Indels
 Mismatches
 (DYAX-) DYAX CORP.
(TECR) TECHNION RES & DEV FOUND LTD.
 Disclosure, Fig 18A; 224pp; English.
 ADA89232 standard; protein; 109 AA.
 ö
 20-FEB-2003; 2003WO-US005128
 20-FEB-2002; 2002US-0358994P
 Hoogenboom HRJM, Reiter Y;
 (first entry)
 Local Similarity 100.
nes 8, Conservative
 OORSNWPP 96
 WPI; 2003-663847/62.
N-PSDB; ADA89231.
 1 QORSNWPP 8
 Sequence 108 AA;
 WO2003070752-A2
 Homo sapiens.
 20-NOV-2003
 28-AUG-2003
 Synthetic
 89
 ADA89232;
 Query Match
 cancer.
 Matches
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comprising the novel protein and a carrier; (2) a cytotoxic T cell comprising one or more nucleic acids for expressing the Ightat binds a comprising one or more nucleic acids for expressing the Ightat binds a comprising an WHC and a peptide, and does not substantially bind the MHC in the absence of the MHC; (3) an isolated nucleic acid comprising a first segment that encodes the Ig variable domain; (4) a host cell comprising heterologous nucleic acid sequences that encode the protein; (6) a transgenic animal whose genome includes heterologous nucleic acid sequences that encode the protein; (6) identifying the protein that specifically binds the MHC-peptide complex; (7) expressing an antigen-binding protein; (8) ablating or killing a target cell that displays a peptide on a surface MHC molecule; (9) treating or preventing a cancerous disorder in a subject; and (10) detecting an MHC-peptide composition for treating or preventing a cancerous disorder in a subject; and (10) detecting an MHC-peptide composition for treating or preventing a composition for treating or preventing a cancerous disorder. The present composition for preventing a cancerous disorder. The present composition for preventing a cancerous disorder. The present composition for treating or preventing a cancerous disorder. The present composition for treating or preventing a cancerous disorder. The present composition for the protein composition for preventing a cancerous disorder. The present composition for the protein composition for preventing a manner of an antibody which binds to an MHC-peptide composition for preventing a manner of an antibody which binds to an MHC-peptide composition for preventing and preventing a composition for preventing and preventing a composition for preventing and preventing a cancerous disorder. The preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventing and preventin
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 New protein comprising an immunoglobulin heavy chain variable (VH) domain and an immunoglobulin light chain variable (VL) domain, useful for preparing a composition for treating or preventing a cancerous disorder.
 The present invention describes a protein comprising an immunoglobulin (Ig) heavy chain variable (VH) domain and an Ig light chain variable (VL)
 immunoglobulin; Ig; heavy chain variable domain;
light chain variable domain; major histocompatibility complex; MHC;
gp100; MUC1; TAX; hTERT; cytostatic; gene therapy; cancerous disorder;
 septide complex where the peptide component in as peptide fragment of
 Gaps
 Human antibody T3E3 light chain amino acid sequence SEQ ID NO:72
 ö
 100.0%; Score 50; DB 6; Length 109; 100.0%; Pred. No. 0.64;
 0; Indels
 0; Mismatches
 (DYAX-) DYAX CORP.
(TECR) TECHNION RES & DEV FOUND LTD.
 Disclosure; Fig 17A; 224pp; English.
 ADA89228 standard; protein; 109 AA.
 20-FEB-2003; 2003WO-US005128.
 20-FEB-2002; 2002US-0358994P
 Hoogenboom HRJM, Reiter Y;
 20-NOV-2003 (first entry)
 Best Local Similarity 100.
Matches 8; Conservative
 WPI; 2003-663847/62.
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 OORSNWPP
 1 QORSNWPP
 N-PSDB; ADA89227.
 Sequence 109 AA;
 WO2003070752-A2.
 Homo sapiens.
 28-AUG-2003
 Synthetic
 ADA89228;
 Query Match
 cancer.
 ADA89228
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us-10-720-323-6.rag

domain. The protein binds a complex comprising a major histocompatibility complex (MHC) and a peptide, does not substantially bind the MHC in the absence of the bound peptide, and does not substantially bind the peptide in the absence of the MHC. The peptide is a peptide fragment of gpl00, MUC1, TAX or hTERT. Also described: (1) a pharmaceutical composition comprising the novel protein and a carrier; (2) a cytotoxic T cell comprising the novel protein and a carrier; (2) a cytotoxic T cell comprising one or more nucleic acids for expressing the Ig that binds a complex having an MHC and a peptide, does not substantially bind the MHC comprising a first segment that encodes the Ig variable domain; (4) a host cell comprising heterologous nucleic acid sequences that encodes the protein; (5) a transgenic animal whose genome includes heterologous nucleic acid sequences that encode the protein; (6) identifying the protein that specifically binds the MHC-peptide complex; (7) expressing can antigen-binding protein; (8) ablating or killing a target cell that displays a peptide on a surface MHC molecule; (9) treating or preventing a cancerous disorder in a subject; and (10) detecting an MHC-peptide complex; (7) expressing and read the protein of the protein that specifically binds the minential or preventing a complex in a sample. A protein of the inventing and the protein of the protein of the protein of the protein of the protein of the protein of the protein of the inventing the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of the protein of t composition for treating or preventing a cancerous disorder. The present sequence represents the light chain of an antibody which binds to an MHCand can be used in gene therapy. The protein is useful for preparing a peptide complex where the peptide component in as peptide fragment 8899999999999999999999999

Sequence 109 AA;

Gaps ö 6; Length 109; 0; Indels 100.0%; Score 50; DB 6; 100.0%; Pred. No. 0.64; Mismatches ; 0 Local Similarity 100. nes 8; Conservative Query Match Matches

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|||||||| 88 QORSNWPP 95 œ 1 QQRSNWPP

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ADF11411 standard; protein; 109 AA. ADF11411; 

(first entry) 12-FEB-2004

16El anti-OPGL antibody kappa chain variable region SEQ ID NO:24.

human; antibody; osteoprotegerin ligand; OPGL; osteopenic disorder; osteopathic; antiarthritic; cytostatic; gene therapy; bone disorder; osteoporosis; bone loss; arthritis; Paget's disease; osteopenia.

Homo sapiens

WO2003086289-A2

23-OCT-2003.

07-APR-2003; 2003WO-US010749

05-APR-2002; 2002US-0370407P

(AMGE-) AMGEN INC

Boyle WJ, Medlock E,

Sullivan JK, Elliott RL, WPI; 2003-845253/78. N-PSDB; ADF11410.

Huang H;

Martin F,

New isolated antibody that specifically binds osteoprotegerin ligand, useful for diagnosing or treating bone disorders, such as osteoporosis, bone loss from arthritis, Paget's disease or osteopenia.

Claim 6; SEQ ID NO 24; 156pp; English

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The present invention describes an isolated human antibody (I) that present invention describes an isolated (OPGL). Also described: (I) a pharmaceutical composition comprising a pharmaceutical carrier and a therapeutic amount of (I); (2) methods of treating an osteopenic disorder in a patient, comprising administering to a patient the pharmaceutical amount of (I); an enthod of the article of (I); and (3) a method for detecting OPGL in a biological sample, comprising contacting the sample with (I) under conditions that allow for binding of the antibody New isolated antibody that specifically binds osteoprotegerin ligand, useful for diagnosing or treating bone disorders, such as osteoporosis, bone loss from arthritis, Paget's disease or osteopenia. Claim 6; SEQ ID NO 8; 156pp; English.

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Sequence 110 AA;
 8;
 21-APR-2005
 8
 10-FEB-2005
 83
 ADX02049;
 Query Match
 Matches
 Matches
 RESULT 37
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 specifically binding to a severe acute respiratory syndrome (SARS)-coronavirus (CoV). The composition (including the binding molecule or its functional variant, or the immunoconjugate) is useful as a medicament for the diagnosis, prophylaxis or treatment of a condition resulting from a SARS-CoV, or in the preparation of the medicament. The present sequence represents a SARS coronavirus binding molecule light chain.
to OPGL, and measuring the level of bound antibody in the sample. (I) has osteopathic, antiarthritic and cytostatic activities, and can be used in gene therapy. The composition and methods are useful in diagnosing or treating bone disorders, such as osteoporosis, bone loss from arthritis, Paget's disease or osteopenia. The antibody (I) may also be used for that predetecting OPGL in blological samples and in identifying cells or tissues that produce the protein. The present sequence represents a sequence which is used in the exemplification of the present invention.
 severe acute respiratory syndrome; diagnosis; Respiratory-Gen.; Virucide;
respiratory disease; infection; antibody; light chain.
 New binding molecules that specifically bind to severe acute respiratory syndrome (SARS)-coronavirus (COV), useful for diagnosing, preventing or treating conditions resulting from SARS-COV.
 The invention relates to a binding molecule, or its variant, capable of
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 Goudsmit J;
 7; Length 109;
 0; Indels
 coronavirus antibody light chain SEQ ID NO 461.
 Van Den Brink EN,
 100.0%; Score 50; DB 7; 100.0%; Pred. No. 0.64;
 Mismatches
 Disclosure; SEQ ID NO 461; 633pp; English
 ADX02205 standard; protein; 110 AA
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 De Kruif CA,
 2003WO-EP050943.
2004WO-EP050067.
2004WO-EP050127.
 2003WO-EP050328
 2003WO-EP050391
 19-MAR-2004; 2004WO-EP050334
 2004WO-EP050464
 2004WO-EP050516
 21-JUL-2004; 2004WO-EP051568
 2003WO-EP050723
 2003WO-EP050883
 29-APR-2004; 2004WO-EP050643
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 (first entry)
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 (CRUC-) CRUCELL HOLLAND
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8; Conserve
 QORSNWPP 96
 WPI; 2005-142879/15.
N-PSDB; ADX02204.
 QQRSNWPP 8
 WO2005012360-A2.
 Sequence 109 AA;
 Ter Meulen JH,
 24-NOV-2003;
24-DEC-2003;
202-FEB-2004;
13-FEB-2004;
 22-JUL-2003;
 01-SEP-2003;
16-OCT-2003;
 14-APR-2004;
 21-APR-2005
 10-FEB-2005
 ADX02205;
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 specifically binding to a severe acute respiratory syndrome (SARS)-coronavirus (CoV). The composition (including the binding molecule or its functional variant, or the immunoconjugate) is useful as a medicament for the diagnosis, prophylaxis or treatment of a condition resulting from a SARS-CoV, or in the preparation of the medicament. The present sequence represents a SARS coronavirus binding molecule light chain.
 severe acute respiratory syndrome; diagnosis; Respiratory-Gen.; Virucide; respiratory disease; infection; antibody; light chain.
 New binding molecules that specifically bind to severe acute respiratory syndrome (SARS)-coronavirus (CoV), useful for diagnosing, preventing or treating conditions resulting from SARS-CoV.
 The invention relates to a binding molecule, or its variant, capable of specifically binding to a severe acute respiratory syndrome (SARS)-
 Gaps
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 Goudemit J;
 100.0%; Score 50; DB 9; Length 110; 100.0%; Pred. No. 0.64;
 Indels
 0; Indels
 SARS coronavirus antibody light chain SEQ ID NO 305
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 Van Den Brink EN,
Score 50; DB 9;
Pred. No. 0.64;
 0; Mismatches
 0; Mismatches
 Disclosure; SEQ ID NO 305; 633pp; English.
 ADX02049 standard; protein; 110 AA.
100.0%;
llarity 100.0%;
Conservative 0
 Fer Meulen JH, De Kruif CA,
 2003WO-EP050391.
2003WO-EP050723.
 21-JUL-2004; 2004WO-EP051568
 2004WO-EP050067
2004WO-EP050127
 2004WO-EP050516
2004WO-EP050643
 2003WO-EP050883
 2003WO-EP050943
 2004WO-EP050334
 2004WO-EP050464
 (CRUC-) CRUCELL HOLLAND BV.
 Conservative
 WPI; 2005-142879/15.
N-PSDB; ADX02048.
 96
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 Local Similarity
 Query Match
Best Local Similarity
 1 QQRSNWPP
 OORSNWPP
 1 QORSNWPP
 Sequence 110 AA;
 WO2005012360-A2.
 04-DEC-2003;
02-FEB-2004;
13-FEB-2004;
 19-MAR-2004;
07-APR-2004;
14-APR-2004;
 16-OCT-2003;
24-NOV-2003;
 29-APR-2004;
 22-JUL-2003;
 01-SEP-2003;
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Human, monoclonal antibody, antibody, interleukin-1; receptor; antiasthmatic; antiinflammatory; dermatological; antiallergic; protozoacide; antirheumatic; antiarthritic; osteopathic; vasotropic; analgesic; antidiabetic; nephrotropic; antianaemic; nootropic; anticonvulsant; dermatological; antigout; antiparkinsonian; antidiabetic;

Anti-interleukin-1 receptor type 1 antibody kappa chain variable region.

03-JUN-2004 (first entry)

```
This invention relates to novel mammalian CDR mimetibodies, specific fragment where a protein has been inserted into, or replaces a portion of fragment where a protein has been inserted into, or replaces a portion of of one or more CDR regions, such that each CDR mimetibody comprises at least one portion of a heavy chain or light chain variable region, which itself comprises at least one human framework region and at least one ligand binding region (LBR). The present invention describes human mimetibodies, including modified immunoglobulins and cleavage products that can be useful in gene therapy and the generation of transgenic plants and animals. Furthermore, the CDR mimetibody is useful for preparing compositions for modulating, treating or reducing the symptoms of immune, cardiovascular, infectious, malignant and/ or neurologic of immune, cardiovascular, infectious, malignant and/ or neurologic cardiant, antimicrobial, cycostafingly, they exhibit immunomodulator, cardiant, antimicrobial, cycostafic and neuroprotective activities. This
 mimetic, CDR mimetibody, gene therapy, transgenic; immune;
cardiovascular, infectious, malignant, neurologic disease, anaemia,
immunomodulator, cardiant, antimicrobial, cytostatic, neuroprotective,
 New CDR mimetibody comprising a portion of a heavy or light chain variable region comprising human framework or ligand binding region, useful for preparing a composition for treating e.g., immune,
 100.0%; Score 50; DB 7; Length 128; 100.0%; Pred. No. 0.75; or Mismatches 0; Indels
 Ghrayeb J;
 Erythropoietin light chain mimetibody SegID 984.
 Example 2; SEQ ID NO 984; 97pp; English
 Scallon BJ,
 cardiovascular or neurologic disease.
 ADJ73528 standard; protein; 128 AA
 24-MAR-2003; 2003WO-US009139
 29-MAR-2002; 2002US-0368791P
 (first entry)
 Heavner GA, Knight DM,
 (CENZ) CENTOCOR INC.
||||||||||||||
QQRSNWPP 96
 WPI; 2003-804237/75.
 Sequence 128 AA;
 WO2003084477-A2,
 erythropoietin
 06-MAY-2004
 16-OCT-2003
 Synthetic.
 83
 ADJ73528;
 RESULT 38
 ADJ73528
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Isolated human antibody that specifically binds interleukin-1 receptor type 1 (IL-1R1) useful for treating IL-1 mediated diseases such as rheumatoid arthritis, osteoarthritis and inflammatory conditions.

Claim 2; SEQ ID NO 12; 179pp; English

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Qian X, Martin F,

Witte A,

Vezina C,

Varnum B, Elliott G;

Elliott

(AMGE-) AMGEN INC

WPI; 2004-248462/23. N-PSDB; ADM41546.

05-SEP-2003; 2003WO-US027978. 06-SEP-2002; 2002US-0408719P

WO2004022718-A2 Homo sapiens.

cytostatic

18-MAR-2004

```
The present sequence is care, a miniman anti-interrection, troughous, type. (II-IRI) monoclonal antibody (MAA) 26F5 kappa chain variable region. Human MAbs to IL-IRI were prepared using the HCO7 strain of transgenic mice, which expresses human antibody genes. These mice were immunised with purified recombinant IL-IRI, and splencytes from immunised mice were fused to a mouse myeloma cell line to generate hybridomas.

Whyridomas which serred a MAb that bound with high avidity to IL-IRI were selected. The MAbs inhibit IL-I signalling by competing with IL-IRI were selected. The MAbs inhibit IL-I signalling by competing with IL-IRI and and IL-Ialpha binding to IL-IR. These MAbs, as well as single chain of Table of the michodies in the single chain for antibodies in might of IL-IRI is an established diseases or for detecting the amount of IL-IRI in a sample. IL-I mediated diseases or for detecting the amount of IL-IRI in a sample. IL-I mediated diseases include acute pancreatitis, amyotrophic lateral schemarished and theory associated illnesses, cardexia, anorexia, asthma, cancer including clerkating associated illnesses, coronary conditions, cancer including clerkating in the uncour metastasis, diabetes, endometricals; fever, fibromyalgia, glomerulonephritis, graft versus host disease, corester in series of including impairment, lung disease, minimally Kawasaki's disease, learning impairment, lung diseases, minimals in series of learning impairment, lung diseases, minimals minimals in series of learning impairment, lung diseases, minimals minimals minimals minimals manuals and series of learning impairment, lung diseases, minimals minimals.
 ö
 The present sequence is that of human anti-interleukin-1 receptor type 1
 multiple sclerosis, myopathy, osteoporosis, pain, Prkinson's disease, periodontal disease, pre-term labour, psoriasis, reperfusion injury, septic shock, side effects of radiation therapy, temporal mandibular joint disease, sleep disturbance, uveitis, or an inflammatory condition resulting from strain, sprain, cartilage damage, trauma, orthopaedic surgery, infection or other disease processes.
 Gaps
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 100.0%; Score 50; DB 8; Length 128; 100.0%; Pred. No. 0.75;
 Indels
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 Mismatches
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Matches 8; Conserv
 Sequence 128 AA;
 Query Match
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1 QQRSNWPP 8

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ADM41547 standard; protein; 128 AA.

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8; Conservative

Matches

Query Match Best Local Similarity

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QORSNWPP 116

109

RESULT 39 ADM41547 ID ADM4

109 QQRSNWPP 116

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The present sequence is that of the light chain variable region of anti-tumour necrosis factor (TNF) human recombinant monoclonal antibodies (mAbs) TNV14 and TNV15. These are human mAbs produced from a GenTNV fusion using spleen cells from a hybrid mouse containing human variable and constant region antibody transgenes that was immunised with human TNF alpha. The human mAbs bind immobilised human TNF alpha with high avoidity and have a totally human IgG1, kappa isotype. The mature portion of the
 Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
 Tumour necrosis factor alpha; TNF; antibody; heavy chain; CDR; complementarity determining region; antirheumatic; antiarthritic; antilicer; antiaethmatic; antialergic; antiliflammatory; antisickling; antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic; antilantic antileprotic; antiantic antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic;
 human; diagnosis; therapy; TNV14; TNV15; monoclonal antibody; mAb
 Human recombinant mAb TNV14, TNV15 light chain variable region.
 Shealy D;
 Scallon B,
 Giles-Komar J, Knight DM, Heavner G,
 Mature_protein
 Signal peptide
 Location/Qualifiers
 AAM51174 Btandard; protein; 129 AA.
 Example 3; Fig 5; 131pp; English.
 77. .108
/label= FR3
109. .118
/label= CDR3
119. .129
/label= J3
 07-AUG-2000; 2000US-0223360P.
29-SEP-2000; 2000US-0236826P.
01-AUG-2001; 2001US-00920137.
 07-AUG-2001; 2001WO-US024785
 70. .76
/label= CDR2
 14. .54
/label= CDR1
 55. .69
/label= FR2
 /label= FR1
 (first entry)
 1. .20
/label= 9
 /label=
 (CENZ) CENTOCOR INC.
 WPI; 2002-217194/27.
N-PSDB; ABL53514.
 WO200212502-A2.
 10-JUN-2002
 Homo sapiens
 14-FEB-2002
 AAM51174;
 Peptide
 Protein
 Region
 Region
 Region
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 Region
 Region
RESULT 40
 AAM5117
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CC light chain variable region is identical to that of the Vg/38-type light chain germline sequence (see AAM51173). The light chain variable regions of 2 other human mabs (see AAM51175) show a single amino acid difference. The invention provides human, primate, mammalian, rodent, chimeric, humanised and/or complementarity determining region (CDR) grafted anti-CR antibody compositions, as well as anti-TWF antibody. Gencins, formulations, devices, transgenic animals, transgenic compositions, formulations devices, transgenic animals, transgenic plants, and methods of making and using them. The anti-TWF antibody compositions, formulations of an immunoglobulin molecule, especially compositions, formulations of an immunoglobulin molecule, especially comprises at least a portion of an immunoglobulin molecule, especially the heavy chain and/or light chain variable regions given in the present sequence and in AAM51165, or either all of the CDRs of the heavy chain (see AAM51186 of) or all of the CDRs of the input chain (see AAM51161 or ecceptor, or provide Arthritic Index improvement of an amouse model. They are useful for disgnosing or treating a TDF related condition in a cecli, tissue, organ or animal (claimed) such as the anteriosclerosis, archivesclerosis, and infections disease in a cardiovascular disease such as a leukaemia, diabetes, a cardiovascular disease such as leukaemia, chord myelocytic leukaemia, Burkitt's cyral, and fungal infections, pneumonia, leprosy and malaria, a malignant complement of an enuclogical leukaemia, Burkitt's creutzfeldt-Jakob disease, spinal ataxia, Alzheimer's disease and constructed and sease and an enucloped sease spinal ataxia, and place and constructed the condition or an enuclogical leukaemia, mand and an enuclose spinal ataxia, and place and multiple myelocytic leukaemia, and sease and an enuclose and an enuclose and an enuclosical and an enuclose and an enuclose and an enuclose and an enuclose and an enuclose and an enuclose and an enuclose and an enuclose and an enuclose and a
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 100.0%; Score 50; DB 5; Length 129; 100.0%; Pred. No. 0.76; ive 0; Mismatches 0; Indels
 completed: December 14, 2005, 07:25:30
 Local Similarity 100.
 109 QQRSNWPP 116
 1 QORSNWPP 8
 Sequence 129 AA;
 Query Match
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181, App 181, App 349, Appl 53, Appl 21803, A 9885, A 17127, Ap

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60, Appl 26736, A 8, Appli 8, Appli 396, Appl 5, Appli

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 Title:
Perfect score:
Sequence:
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 Scoring table:
 Total number
 Minimum DB 8
Maximum DB 8
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 US-09-156-090A-46

| Sequence 46, Application US/09456090A
| Patent No. 6680D09
| GENERAL INFORMATION:
| APPLICANT: Buechler, Joe
| APPLICANT: Ualkirs, Gunars
| APPLICANT: Lonberg, Nils
| TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
| FILE REPERENCE: 020015-0002500US
| CURRENT APPLICATION NUMBER: US/09/456,090A
| CURRENT FILING DATE: 1999-12-06
| NUMBER OF SEQ ID NOS: 110
| SEQ ID NO 46
| LENGTH: 224
 100.0%; Score 50; DB 2; Length 224; 100.0%; Pred. No. 0.62; ive 0; Mismatches 0; Indels
 100.0%; Score 50; DB 2; Length 224; 100.0%; Pred. No. 0.62; tive 0; Mismatches 0; Indels
 APPLICANT: Buechler, Joe
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Genebarm International
TITLE OF INVENTION: Human Antibodies
TITLE REFERENCE: 020015-00011005
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: Patentin Ver. 2.1
SENGTH: 224
ALIGNMENTS
 ; Sequence 46, Application US/09453234
; Patent No. 6794132
; GENERAL INFORMATION:
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M1-10L
US-09-453-234-46
 ; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M1-10L
US-09-456-090A-46
 89 QQRSNWPP 96
 89 QORSNWPP 96
 1 QORSNWPP 8
 1 QORSNWPP 8
 -09-453-234-46
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RESULT 3 , US-09-438-954-40

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Sequence 2, Application US/09434870

Patent No. 6849425

GENERAL INFORMATION:

APPLICANT: Huse, William

APPLICANT: Watkins, Jeffry

APPLICANT: Wu, Herren

CINEREPERBURS: AME-06352

CURRENT APPLICATION NUMBER: US/09/434,870
 ö
 ö
 APPLICANT: HONG, Hyo Jeong
APPLICANT: PARK, Sung Sup
APPLICANT: RANG, Young Jun
APPLICANT: RANG, Young Jun
APPLICANT: RANG, Chang-Yuil
APPLICANT: YOON, Sung Kwan
TITLE OF INVENTION: HUMANIZED ANTIBODY SPECIFIC FOR HUMAN 4-1BB AND
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION COMPRISING SAME
FILE REFERENCE: 1303-124P
CURRENT APPLICATION NUMBER: US/09/438,954
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PALENTIN Ver. 2.1
SEQ ID NO 40
LENGTH: 107
 Gaps
 Gaps
 OTHER INFORMATION: Description of Artificial Sequence: Variable OTHER INFORMATION: region of light chain of human antibody (X82934)
 ö
 .
0
 Length 107;
 86.0%; Score 43; DB 2; Length 95; 100.0%; Pred. No. 3.8; cive 0; Mismatches 0; Indels
 0; Indels
 GENERAL INFORMATION:
APPLICANT: Foote, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR APPLICATION NUMBER: 12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PatentIn version 3.1
SEQ ID NO 86
LENGTH: 95
 5,
 Query Match
90.0%; Score 45; DB
Best Local Similarity 100.0%; Pred. No. 2;
Matches 7; Conservative 0; Mismatches
 Sequence 86, Application US/10194975
Patent No. 6881557
Sequence 40, Application US/09438954
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity luv...
7; Conservative
 TYPE: PRT
COGANISM: Homo sapiens
US-10-194-975-86
 89 ORSNWPP 95
 89 QORSNWP 95
 2 QRSNWPP 8
 1 QORSNWP 7
 Patent No. 6458934
GENERAL INFORMATION:
 RESULT 4
US-10-194-975-86
 US-09-438-954-40
 RESULT 5
US-09-434-870-2
```

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Gaps
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 GENERAL INFORMATION:

APPLICANT: Lonberg, Nils

APPLICANT: Lonberg, Nils

APPLICANT: Ray, Robert Wobert

TITLE OF INVENTION: Transgenic No. 5814118-Human Animals for TITLE OF INVENTION: Producing Heterologous Antibodies

TITLE OF INVENTION: Producing Heterologous Antibodies

NUMBER OF SEQUENCES: 210

CORRESPONDENCE ADDRESS:

ADDRESSES: Towneend and Townsend Khourie and Crew

STREET: One Market Plaza, Steuart Tower, Suite 200

CITY: San Francisco

STREET: California
 Length 115;
 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ELBM PC Compatible
COMPUTER: TEM PC Compatible
COMPUTER: TEM PC Compatible
COMPUTER: TEM PC Compatible
COMPUTER: TEM PC Compatible
COMPUTER: DEADER: DOS/MS-DOS
SOFTWARE: PATENTION DATA:
APPLICATION NUMBER: US/08/096,762
FILING DATE: 22-JUL.1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION NUMBER: US 07/994,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION NUMBER: US 07/904,068
FILING DATE: 18-MAR-1992
PRIOR APPLICATION NUMBER: US 07/803,408
FILING DATE: 18-MAR-1992
PRIOR APPLICATION NUMBER: US 07/810,279
FILING DATE: 18-MAR-1992
PRIOR APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
ATTORNEY/AGERT INFORMATION:
ANAME: MATHER ANAMER 86.0%; Score 43; DB 1;
100.0%; Pred. No. 4.5;
tive 0; Mismatches
 14643-9-4
 Sequence 179, Application US/08096762
Patent No. 5814318
 NAME: Smith, William M. REGISTRATION NUMBER: 30.23 REFERENCE/DOCKET NUMBER: 14 TELECOMMUNICATION INFORMATION:
 TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 179:
SEQUENCE CHARACTERISTICS:
 TELEPHONE: 415-326-2400
 : 115 amino acids
amino acid
 Query Match
Best Local Similarity 100...
 ; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-096-762-179
 109 QQRSNWP 115
 109 QQRSNWP 115
 1 QORSINWP 7
 1 QORSNWP 7
 ZIP: 94105
 RESULT 7
US-08-096-762-179
 RESULT 8
US-09-042-353-42
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 Gaps
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 Sequence 179, Application US/08053131

Patent No. 5661016

APPLICANT: Lonberg, Nils

APPLICANT: Kay, Robert M.

TITLE OF INVENTION: Transgenic No. 5661016-Human Animals for TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 197

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: One Market Plaza, Steuart Tower, Suite 200

CITY: San Francisco

STATE: California

COUNTRY: USA
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 86.0%; Score 43; DB 2; Length 107;
100.0%; Pred. No. 4.2;
ive 0; Mismatches 0; Indels
 86.0%; Score 43; DB 1; Length 115; 100.0%; Pred. No. 4.5; tive 0; Mismatches 0; Indels
 COMPUTER LOSA

CIP: 94105

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/053,131
FILING DATE: 26-APR-1993
CLASSIFICATION: BOO
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MRA.1992
ATTORNEY/AGENT INFORMATION:
NAME: SMICH, WIlliam M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 14643-9-3
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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TELECOMMUNICAT
PRIOR APPLICATION NUMBER: 60/159,689
PRIOR FILING DATE: 1999-10-14
NUMBER OF SEQ ID NOS: 4
SOPTWARE: PATENTIN VERSION 3.0
SEQ ID NO 2
LENGTH: 107
 **LELEFAX: 415-326-2400
TELEFAX: 415-326-2420
INFORMATION FOR SEQ ID NO: 179:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acids
TOPOLOGY
 Best Local Similarity 100.
Matches 7; Conservative
 Conservative
 , MOLECULE TYPE: protein US-08-053-131-179
 TYPE: PRT
ORGANISM: Homo sapiens
 89 QQRSNWP 95
 Query Match
Best Local Similarity
Matches 7; Conserva
 1 QORSNWP 7
 RESULT 6
US-08-053-131-179
 US-09-434-870-2
 Query Match
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Sequence 42, Application US/09042353
Patent No. 6255458
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 421
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
 CURRENT ADDICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 13 "MAR-1998
CLASSIFICATION DATA:
APPLICATION DA
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Prancisco CITY: San Prancisco COUNTRY: California COUNTRY: USA ZIP: 94111-3834
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Gaps
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APPLICANT: Lonberg, Nils
Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
Producing Heterologous Antibodies
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 CUMPUTER READABLE FORM:

MEDLUM TYPE: Floppy disk

COMPUTER: IN PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/758,417A

FILING DATE: 02-Dec-1996

CLASSIFICATION: Unknown>
PRIOR APPLICATION NUMBER: US 08/728,463

FILING DATE: 10-OCT-1995

APPLICATION NUMBER: US 08/544,404

FILING DATE: 00-OCT-1995

APPLICATION NUMBER: US 08/52,322

FILING DATE: 00-DEC-1994

APPLICATION NUMBER: US 08/25,322

FILING DATE: 00-DEC-1994

APPLICATION NUMBER: US 08/165,699

FILING DATE: 10-DEC-1993

APPLICATION NUMBER: US 08/165,699

FILING DATE: 10-DEC-1993

APPLICATION NUMBER: US 08/165,699

FILING DATE: UO-DEC-1993

APPLICATION NUMBER: US 08/161,739
 86.0%; Score 43; DB 2; Length 115; 100.0%; Pred. No. 4.5;
 IndelB
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REGISTRANCE/OCKET NUMBER: 014643-009040US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
 0; Mismatches
 APPLICATION NUMBER: US 07/990,860 FILING DATE: 16-DEC-1992 ATTORNEY/AGENT INFORMATION:
 FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
 APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
 APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
 REGISTRATION NUMBER: 41,303
 Sequence 307, Application US/08758417A Patent No. 6300129 GENERAL INFORMATION:
 NUMBER OF SEQUENCES: 417
 : 115 amino acida
amino acid
 Query Match 86.0
Best Local Similarity 100.
Matches 7; Conservative
 MOLECULE TYPE: protein US-09-042-353-42
 COUNTRY: USA
 109 QQRSNWP 115
 linear
 1 OORSNWP 7
 RESULT 9
US-08-758-417A-307
 TOPOLOGY:
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LOCATION: 1..107
OTHER INFORMATION:
OTHER INFORMATION:
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-453-234-36
 CITY: Palo Alto
STATE: California
COUNTRY: US
 NAME/KEY: Protein
 TOPOLOGY: unknown
 89 QQRSNWP 95
 1 QORSNWP 7
 RESULT 12
US-07-634-278-34
 SEQ ID NO 36
LENGTH: 224
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 US-00-456-090A-36

US-00-456-090A-36

Sequence 36, Application US/09456090A

PAPERAL NO. 6660209

GENERAL INFORMATION:

APPLICANT: BURCHIEF, Joe

APPLICANT: Ualkirs, Gunars

APPLICANT: Lonberg, Nis

TITLE OF INVENTION: HUWAN ANTIBODIES AS DIAGNOSTIC REAGENTS

FILE REFERENCE: 020015-0002000US

CURRENT APPLICATION UNMBER: US/09/456,090A

CURRENT FILING: DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 110

SCOTTWARE: PATENTIN Ver. 2.1

SEQ ID NO 36

LENGTH: 224

TYPE: nom
 Query Match 86.0%; Score 43; DB 2; Length 224; Best Local Similarity 100.0%; Pred. No. 8.8; Matches 7; Conservative 0; Mismatches 0; Indels
 Query Match 86.0%; Score 43; DB 2; Length 115; Best Local Similarity 100.0%; Pred. No. 4.5; Matches 7; Conservative 0; Mismatches 0; Indels
REFERENCE/DOCKET NUMBER: 014643-009030US
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0200
INFORMATION FOR EXQ ID No. 307:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acide
TYPE: amino acid
TYPE: amino acid
TYPE: amino acid
TYPE: protein
 US-09-453-234-36

Sequence 36, Application US/09453234

Patent No. 6794132

GENERAL INFORMATION:
PAPLICANT: Buechler, Joe
APPLICANT: Buechler, Joe
APPLICANT: Gray, Jeff
APPLICANT: Gray, Jeff
APPLICANT: Gray, Jeff
APPLICANT: Genbrar International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-0001100S
CURRENT APPLICATION NUMBER: US/09/453,234

CURRENT FILING DATE: 1999-12-01
 PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: Patentin Ver. 2.1
 ; OTHER INFORMATION: M1-1L
US-09-456-090A-36
 TYPE: PRT
ORGANISM: Homo sapiens
 109 QQRSNWP 115
 89 OORSNWP 95
 1 QQRSNWP 7
 1 QORSNWP 7
 US-08-758-417A-307
 RESULT 11
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US-09-453-234-36

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US-09-453-234-36

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US-09-453-234-36

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US-09-453-234-36

US-09-453-234-36

US-09-453-238-34

US-09-453-238-38

US-09-453-38

US-09-453-38

US-09-453-38

US-09-453-38

US-09-453-
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 /note= "Amino acid sequence of the light chain for humane Lay antibody."
 Length 107;
 1; Indels
Indele
 APPLICANT: QUEEN, Cary L.
APPLICANT: QUEEN, Cary L.
APPLICANT: SCHNEIDER, William P.
APPLICANT: SCHNEIDER, William P.
APPLICANT: LANDOLFI, Nicholas F.
APPLICANT: SELICK, Harold E.
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
 COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,040
FILING DATE: 07-UUN-1995
CLLASSIFICATION: 536
PRIOR APPLICATION NUMBER: US 07/634,278
FILING DATE: 19-DE-1990
FILING DATE: 19-DE-1990
FILING DATE: 28-SEP-1990
PRIOR APPLICATION NUMBER: US 07/290,975
FILING DATE: 13-FEB-1989
PRIOR APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
ATFORNEY/AGENT INPORMATION:
NAME: SMALTH, William M REGISTRATION NUMBER: 30,223
REFERRNCE/DOCKET NUMBER: 11823-002600
TELECOMMUNICATION INPORMATION:
TELEPRAK: (415) 326-2420
INFORMATION POR SEQ ID NO: 34:
SEGNETHER SEQUENCE: CRARACTERISTICS:
LINGTHMET IND AND 34:
SEGNETHER SEQUENCE: CRARACTERISTICS:
LINGTHMET IND AND 34:
SEGNETHER SEQUENCE: LINGTHMET IND AND 34:
SEQUENCE CRARACTERISTICS:
LINGTHMET IND AND 34:
SEQUENCE CRARACTERISTICS:
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SEQUENCE CRARACTERISTICS:
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SEQUENCE CRARACTERISTICS:
LINGTHMET IND AND 34:
SEQUENCE CRARACTERISTICS:
LINGTHMET IND AND AND 34:
SEQUENCE CRARACTERISTICS:
SEQUENCE CRARACTERISTI
 ä
 Query Match 80.0%; Score 40; DB 1;
Best Local Similarity 75.0%; Pred. No. 13;
Matches 6; Conservative 1; Mismatches 1
1; Mismatches
 Sequence 34, Application US/08474040 Patent No. 5693761 GENERAL INFORMATION:
 STREET: JOHITHON AVENUE
CITY: Palo Alto
STATE: California
COUNTRY: US
 LENGTH: 107 amino acids
TYPE: amino acid
STRANDEDNESS: single
 6; Conservative
 TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHETICAL: NO
 LOCATION: 1..107

CTHER INFORMATION:

CTHER INFORMATION:

US-08-474-040-34
 NAME/KEY: Protein
 96 damninoo 68
 1 QORSNWPP 8
 RESULT 14
US-08-474-040-34
 Matches
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 Gaps
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 /note= "Amino acid sequence of the light chain for humane Lay antibody."
 80.0%; Score 40; DB 1; Length 107; 75.0%; Pred. No. 13; 1; Mismatches 1; Indels
 Sequence 34, Application US/08477728

Patent No. 5585089

GENERAL INFORMATION:

APPLICANT: GENEIDER, William P.

APPLICANT: SCHNEIDER, William P.

APPLICANT: SELICK, Harold E.

TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNGLOBLINS

NUMBER OF SEQUENCES: 113

CORRESPONDENCE ADDRESS:

ADDRESSEE: Two Embarcadero Center, 8th Floor

CITY: Palo Alto

STATE: California
 Score 40; DB 1; Length 107;
Pred. No. 13;
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
 APPLICATION UNBER: US/08/477,728
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/634,278
FILING DATE: 19-DEC-1990
PRIOR APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
PRIOR APPLICATION NUMBER: US 07/310,252
FILING DATE: 28-SEP-1990
PRIOR APPLICATION NUMBER: US 07/310,252
FILING DATE: 13-FEB-1989
PRIOR APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
NAME: SMICH, William M
REGIGTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-002600
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
 TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acids
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 Query Match
Best Local Similarity 75.C
Matches 6; Conservative
 MOLECULE TYPE: protein HYPOTHETICAL: NO
 single
 LOCATION: 1..107

CTHER INFORMATION:

CTHER INFORMATION:

US-08-477-728-34
 FEATURE:
NAME/KEY: Protein
 unknown
 ||:|||
89 QYNNWPP 96
 1 QQRSNWPP 8
 Query Match
Best Local Similarity
 STRANDEDNESS:
 CITY: Pa]
STATE: Ca
COUNTRY:
 US-08-477-728-34
 US-07-634-278-34
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Gaps
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 /note= "Amino acid sequence of the
light chain for humane Lay antibody."
 APPLICANT: QUEEN, Cary L.
APPLICANT: CO, Man Sung
APPLICANT: CO, Man Sung
APPLICANT: CO, Man Sung
APPLICANT: CANDOLFI, Wicholas F.
APPLICANT: COELINGH, Kathleen L.
APPLICANT: SLICK, Harcold E.
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and Townsend Khourie and Crew
 Length 107;
 Indels
 COMPUTER READABLE FORM:

MUDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,537
FILING DATE: 19-DEC-1990
APPLICATION NUMBER: US/07/634,278
FILING DATE: 28-SEP-1990
APPLICATION NUMBER: US/07/590,274
FILING DATE: 28-SEP-1990
APPLICATION NUMBER: US 07/590,274
FILING DATE: 13-FEB-1989
APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 30,223
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 30,223
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
AMME: Smith, William M RESISTRATION NUMBER: 30,223
FEERBROKE/DOCKET NUMBER: 11823-002600
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
SEQUENCE CHARRACTERISTICS:
INFORMATION POR SEQ ID NO. 34:
SEQUENCE CHARRACTERISTICS:
INFORMATION POR SEQ ID NO. 34:
SEQUENCE CHARRACTERISTICS:
 80.0%; Score 40; DB 2; 75.0%; Pred. No. 13; ive 1; Mismatches
 Sequence 34, Application US/08484537 Patent No. 6180370
 379 Lytton Avenue
 LENGTH: 107 amino acids
TYPE: amino acid
STRANDEDNESS: single
 Query Match
Best Local Similarity 75.0
Matches 6; Conservative
 unknown
 TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHETICAL: NO
 Abuna
STREET: 3/2 C
CITY: Palo Alto
STATE: California
 CTHER INFORMATION:
COTHER INFORMATION:
US-08-484-537-34
 96 44MNNXOO 68
 NAME/KEY: Protein
 1 QORSNWPP 8
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 Gaps
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 LOCATION: 1..107
OTHER INFORMATION: /note= "Amino acid sequence of the
OTHER INFORMATION: light chain for humane Lay antibody."
 ; Sequence 34, Application US/08487200
; Patent No. 5693762
; GENERAL INFORMATION:
APPLICANT: QUEEN, Cary L.
APPLICANT: CO, Man Sung
APPLICANT: CANDELING, William P.
APPLICANT: LANDOLF: Nicholas F.
APPLICANT: SELICK, Harold E.
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS
TORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
 h Similarity 75.0%; Pred. No. 13; 6; Conservative 1; Mismatches 1; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: IDADPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MG-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,200
FILING DATE: 7-JUN 1995
CLASSIFICATION SPEC-1990
FILING DATE: 19-DEC-1990
PRIOR APPLICATION NUMBER: US 07/634,278
FILING DATE: 19-DEC-1990
PRIOR APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
PRIOR APPLICATION NUMBER: US 07/310,252
FILING DATE: 13-FEB-1989
PRIOR APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
ATPORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 30,223
RECREMENCE/DOCKET NUMBER: 11823-002610
FELENG AND STATON NUMBER: 13-EB-1989
ATPORNEY/AGENT INFORMATION:
ADPLICATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-002610
FELEFAX: (415) 326-2422
INFORMATION POR SEQ ID NO: 34:
SECUENCE CHARACTERISTICS:
FUNCTH: 107 amino acids
 ADDRESSEE: Townsend and Townsend and Crew STREET: 379 Lytton Avenue CITY: Palo Alto STATE: California
 LENGTH: 107 amino acids
TYPE: amino acid
 MOLECULE TYPE: protein HYPOTHETICAL: NO
 96 GAWNNYQQ 68
 unknown
 NAME/KEY: Protein LOCATION: 1..107
1 QQRSNWPP 8
 Query Match
Best Local Similarity
Matches 6; Conserv
 STRANDEDNESS:
 ZIP: 94301
 US-08-487-200-34
 US-08-487-200-34
 COUNTRY:
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96 AGMNNAÖÖ 68

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1 QQRSNWPP 8

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80.0%;
 Query Match
Best Local Similarity 85./-
 Query Match 80.0
Best Local Similarity 85.7
Matches 6; Conservative
 ORGANISM: Homo sapiens
COTHER INFORMATION: M2-32L
US-09-456-090A-84
 TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M2-34L
 TYPE: PRT
OCANISM: Homo sapiens
OTHER INFORMATION: M2-35L
US-09-456-090A-90
 89 QQRTNWP 95
 |||:|||
89 QRNNWP 95
 1 QQRSNWP 7
 1 QORSNWP 7
 RESULT 20
US-09-456-090A-88
 US-09-456-090A-88
 TYPE: PRT
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 Sequence 4, Application US/09203768A
Patent No. 6787638
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Huse, William D.
APPLICANT: Watkins, Jeffry D.
TITLE OF INVENTION: Tumor Specific Human Monoclonal Antibodies and Methods
TITLE OF INVENTION: 0 Use
FILE REFERENCE: P-IX 2947
CURRENT APPLICATION NUMBER: US/09/203,768A
CURRENT FILING DATE: 1998-12-02
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SSQ ID NO 4
LENGTH: 117
 Gaps
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 RESULT 18
US-09-456-0904-82
Sequence 82, Application US/09456090A
Sequence 82, Application US/09456090A
Sequence 82, Application US/09456090A
GENERAL INFORMATION:
APPLICANT: BUALKIS, Gunare
APPLICANT: Gray, Jeff
APPLICANT: Conberg, Nile
TITLE OF INVENTION: USON 15-000200US
TITLE REFERENCE: 020015-000200US
CURRENT PELICANT 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 82
LENGTH: 224
 DB 2; Length 224;
 US-05-456-090A-84

Sequence 84, Application US/09456090A

Petent No. 6680209

GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APLICANT: Lonberg, Nils
FILE REFERENCE: 020015-000200US
 DB 2; Length 117;
14;
 Indels
 1; Indels
 Score 40; DB Pred. No. 27; 1; Mismatches
 1; Mismatches
 Score 40;
Pred. No.
 80.0%;
 80.0%;
75.0%;
 6; Conservative
 ORGANISM: Homo sapiens
COTHER INFORMATION: M2-31L
US-09-456-090A-82
 Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 97 QOYNNWPP 104
 Query Match
Best Local Similarity
 1 QQRSNWPP 8
 |||:|||
89 QQRTNWP 95
 Query Match
Best Local Similarity
 1 QORSNWP 7
 US-09-203-768A-4
-09-203-768A-4
 Matches
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 General 90, Application US/09456090A

Factor 90, Application US/09456090A

Factor 90, Gen209

GENERAL NO 6680209

GENERAL NPORMATION:

APPLICANT: Buechler, Joe

APPLICANT: Lonberg, Gunars

APPLICANT: Lonberg, Nils

TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS

TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS

CURRENT APPLICATION HUMBER: US/09/456,090A

CURRENT FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 110

SOFTWARE: PatentIn Ver. 2.1

LENOTH: 224
 Sequence 88, Application US/09456090A

Sequence 88, Application US/09456090A

Sequence 88, Application US/09456090A

GENERAL INFORMATION:

APPLICANT: Buechler, Joe

APPLICANT: Gray, Jeff

APPLICANT: Lonberg, Mils

TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS

TITLE OF INVENTION: 1999-12-06

CURRENT APPLICATION NUMBER: US/09/456,090A

CURRENT FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 110

SEQ ID NO 88

LENGTH: 224
 Score 40; DB 2; Length 224;
Pred. No. 27;
1; Mismatches 0; Indels
 Score 40; DB 2; Length 224;
Pred. No. 27;
1; Mismatches 0; Indels
CURRENT APPLICATION NUMBER: US/09/456,090A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 84
LENGTH: 224
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 Length 224;
 DB 2; Length 224;
 0; Indels
 Indels
 Score 40; DB 2;
Pred. No. 27;
 80.0%; Score 40; DB
85.7%; Pred. No. 27;
tive 1; Mismatches
 GENERAL INCORMATION:
GENERAL INCORMATION:
GENERAL INCORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Buchler, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Gray, Jeff
APPLICANT: General incomman applicant:
APPLICANT: General incomman and applicant:
APPLICANT: General incomman and applicant:
APPLICANT: General incomman and applicant:
APPLICANT: General incomman and applicant:
APPLICANT: General incomman and applicant appl
 1; Mismatches
 APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gary, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Gray, Jeff
APPLICANT: Geneharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-0001100S
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PATENTI Ver. 2.1
SEQ ID NO 90
LENGTH: 224
 ; Sequence 88, Application US/09453234
; Patent No. 6794132
 Sequence 90, Application US/09453234; Patent No. 6794132; GENERAL INFORMATION:
 80.0%;
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 ORGANISM: Homo sapiens; OTHER INFORMATION: M2-34LUS-09-453-234-88
 ; OTHER INFORMATION: M2-35L
US-09-453-234-90
 TYPE: PRT
ORGANISM: Homo sapiens
 |||:|||
89 QQRINIWP 95
 89 QORTNWP 95
 1 QORSNWP 7
 1 QORSNWP 7
 1 QORSNWP 7
 RESULT 24
US-09-453-234-88
 JS-09-453-234-90
 TYPE: PRT
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 80.0%; Score 40; DB 2; Length 224; 85.7%; Pred. No. 27; ive 1; Mismatches 0; Indels
 80.0%; Score 40; DB 2; Length 224; 85.7%; Pred. No. 27; tive 1; Mismatches 0; Indels
 DB 2; Length 224;
 Indels
 GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Bucchler, Joe

APPLICANT: Valkirs, Gunars

APPLICANT: Gray, Jeff

APPLICANT: Gray, Jeff

APPLICANT: Gray, Jeff

APPLICANT: Generational

TITLE REPERENCE: 020015-0001100S

CURRENT APPLICATION NUMBER: US/09/453,234

CURRENT APPLICATION NUMBER: US/09/453,234

CURRENT APPLICATION NUMBER: US/09/453,234

CURRENT FILING DATE: 1999-10-02

NUMBER OF SEQ ID NOS: 112

SEQ ID NO 82

LENGTH: 224

TIENG PARTINE 24
 Score 40; DB Pred. No. 27; 1; Mismatches
 US-09-453-234-84

Sequence 84, Application US/09453234

Sequence 84, Application US/09453234

Sequence 84, Application US/09453234

Settle No. 6794132

Septle No. 6794132

APPLICANT: Buechler, Joe

APPLICANT: Gray, Jeff

APPLICANT: Lonberg, Nils

APPLICANT: Lonberg, Nils

SEPLICANT: Genebarm International

TITLE OF INVENTION: Human Antibodies

FILE REFERENCE: 020015-00110US

CURRENT FILING DATE: 1999-12-01

PRIOR PILING DATE: 1999-12-01

PRIOR FILING DATE: 1999-10-02

NUMBER OF SEQ ID NOS: 112

SOFTWARE: PATENTIN VET. 224
 Sequence 82, Application US/09453234; Patent No. 6794132
 80.08;
Ouery Match
Best Local Similarity 85.77
 TYPE: PRT
OTHER INFORMATION: M2-31L
US-09-453-234-82
 Conservative
 ; OTHER INFORMATION: M2-32L
US-09-453-234-84
 Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 Query Match
Best Local Similarity
Matches 6; Conservat
 Query Match
Best Local Similarity
Matches 6; Conserva
 |||:|||
89 QORTINWP 95
 |||:|||
89 QORTNWP 95
 1 QORSNWP 7
 1 QQRSNWP 7
 US-09-453-234-82
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Sequence 113. Application US/08899575
; Sequence 113. Application US/08899575
; Patent No. 580440
; GENERAL INFORMATION:
APPLICANT: Burton, Dennis R
; APPLICANT: Barbas, Carlos F
APPLICANT: Lerner, Richard A
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
; TORRESPONDENCE ADDRESS: 170
CORRESPONDENCE ADDRESS: 170
ADDRESSEE: Patent Counsel
; STREET: 10666 No. 580440th Torrey Pines Road, Suite 220,
; CITY: La Jolla
 ADDRESSEE: The Scrippe Research Institute, Office of ADDRESSEE: Patent Counsel STREET: 10666 No. 5770440th Torrey Pines Road, Suite 220, STREET: La Mail Drop TPC8 CITY: La Jolla STATE: CA
 DB 1; Length 96;
17;
 2; Indels
 OPERATING SYSTEM: PC-LOSS/MS-LOS
SOFTWARE: PATORIIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,575
FILING DATE: 24-JUL-1997
CLASSIFICATION: 435
PROR APPLICATION NUMBER: US 08/276,852
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: US 08/176,302
FILING DATE: 30-SEP-1993
PRIOR APPLICATION NUMBER: US 07/954,148
FILING DATE: 30-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAMME: FILING; THOMAS
REFERENCE/DOCKET NUMBER: SCR1452P
TELECOMMUNICATION INFORMATION:
TELECHONE: 619-554-2937
TELECHONE: 619-554-6312
INFORMATION FOR EQUID NO: 113:
 Score 39; DB 1
Pred. No. 17;
0; Mismatches
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
 Query Match
Best Local Similarity 75.0%;
Matches 6; Conservative
 SEQUENCE CHARACTERISTICS:
LENGTH: 96 amino acids
 MOLECULE TYPE: protein US-08-899-575-113
CORRESPONDENCE ADDRESS:
 ZIP: 92037
COMPUTER READABLE FORM:
 76 QQYDNWPP 83
 1 OORSNWPP 8
 amino acid
 TOPOLOGY: linear
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USA
 USA
 US-08-899-575-113
 STATE: CA
 COUNTRY:
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 Gaps
 Sequence 113, Application US/08276852
| Sequence 113, Application US/08276852
| Patent No. 5652138
| GENERAL INFORMATION:
| APPLICANT: Burbas, Carlos F |
| APPLICANT: Barbas, Carlos F |
| TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES |
| TITLE OF INVENTION: TO HUMAN IMMUNOBEFICIENCY VIRUS |
| NUMBER OF SEQUENCES: 170 |
| CORRESPONDENCE ADDRESSE: 70 |
| ADDRESSEE: Patent Counsel |
| STREET: Mail Drop TPC8 |
| STREET: Mail Drop TPC8 |
| CITY: La Jolla |
| CAMMENDER CAM
 ö
 Sequence 113, Application US/08899575
Patent No. 5770440
GENERAL INFORMATION:
APPLICANT: Barbas, Dennis R
APPLICANT: Lerner, Richard A
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS
NUMBER OF SEQUENCES: 170
 78.0%; Score 39; DB 1; Length 96; 75.0%; Pred. No. 17; 2; Indels ive 0; Mismatches 2; Indels
 WEDIUM TYPE: FILIDADY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/276,852
FILING DATE: 18-JUL-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/178,302
FILING DATE: 30-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/954,148
FILING DATE: 30-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: Fitting, Thomas
 NAME: Fiting, Thomas
REGISTRATION NUMBER: 34,163
REFERNICE/DOCKET NUMBER: SCR1452P
TELECOMMINICATION INFORMATION:
TELEPHONE: 619-554-2937
TELEFAX: 619-554-6312
INFORMATION FOR SEQ ID NO: 113:
SEQUENCE CHARACTERISTICS:
LENGTH: 96 amino acids
 Conservative
 MOLECULE TYPE: protein
 ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 76 QÓYDŇŴPP 83
 amino acid
 1 QORSNWPP 8
 linear
 Query Match
Best Local Similarity
Matches 6; Conserv
 89 QORTINP 95
 USA
 US-08-899-575-113
 US-08-276-852-113
 TOPOLOGY:
 US-08-276-852-113
 CITY: La
STATE: CA
COUNTRY:
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 В
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STATEMENT IN CARACHICANT CANGED, Hans-Christian
APPLICANT: Genain, Claude P.
APPLICANT: Genain, Claude P.
TAPLICANT: Hauser, Stephen L.
TILE OF INVENTION: Recombinant Antibody Fragments as Autoantibody
TITLE OF INVENTION: Antagonists
FILE REFRENCE: SF01-025-2
CURRENT APPLICATION NUMBER: US/09/899,896
CURRENT FILING DATE: 2001-07-05
PRIOR FILING DATE: 2000-10-17
PRIOR FILING DATE: 2000-10-17
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver. 2.1
SEQ ID NOS: 2.1
 ö
 Score 38; DB 2; Length 100;
Pred. No. 26;
1; Mismatches 1; Indels
 Length 738;
 76.0%; Score 38; DB 2;
 ORGANISM: Mycobacterium tuberculosis US-09-712-363-238
 Sequence 2, Application US/09899896
Patent No. 6569431
GENERAL INFORMATION:
 76.0%;
75.0%;
 Query Match 76.0
Best Local Similarity 75.0
Matches 6; Conservative
 89 QQYSSWPP 96
 1 QQRSNWPP 8
 TYPE: PRT
ORGANISM: human
 US-09-899-896-2
 Query Match
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 Gaps
 TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
TITLE OF INVENTION: TO HUMAN IMMUNDEFICIENCY VIRUS
NUMBER OF SEQUENCES: 170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/08743
FILING DATE: 11-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/276,852
FILING DATE: 18-JUL-1994
INFORMATION FOR SEQ ID NO: 113:
SEQUENCE CHARACTERISTICS:
LENGTH: 96 amino acids
 ö
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 Score 39; DB 4; Length 96;
Pred. No. 17;
0; Mismatches 2; Indels
 DB 1; Length 96;
 2; Indels
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/099,575
FILING DATE: 24-JUL-1997
CLASSIPICATION NUMBER: US/08/099,575
FILING DATE: 24-JUL-1997
APPLICATION NUMBER: US 08/276,852
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: US 08/178,302
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1993
FILING DATE: 30-5EP-1992
ATTORNEY/AGENT INFORMATION:
NAME: FILING, Thomas
REGISTRATION NUMBER: 34,163
REGISTRATION NUMBER: 34,163
FELEFACOMUNICATION INFORMATION:
TELEFHONE: 619-554-6312
INFORMATION FOR SEQ ID NO: 113:
ENGURTH: 96 amino acids
LENGTH: 96 amino acids
 Score 39; DB Pred. No. 17; 0; Mismatches
 RESULT 29
PCT-US95-08743-113
Sequence 113, Application PC/TUS9508743
GENERAL INFORMATION:
OPERATING SYSTEM: PC-DOS/MS-DOS
 78.0%;
 78.0%;
75.0%;
 Query Match
Best Local Similarity 75.0
Matches 6; Conservative
 Conservative
 MOLECULE TYPE: protein PCT-US95-08743-113
 MOLECULE TYPE: protein US-08-899-575-113
 76 QQYDNWPP 83
 76 QQYDNWPP 83
 1 QQRSNWPP 8
 Query Match
Best Local Similarity
Matches 6; Conserva
 1 QORSNWPP 8
 amino acid
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Gaps

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GENERAL INFORMATION:
APPLICANT:
APPLICATION:
TITLE OF INVENTION:
ABRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION:
APPLICATION NUMBER:
CURRENT APPLICATION NUMBER:
BRICK APPLICATION NUMBER:
BRICK APPLICATION NUMBER:
BRICK APPLICATION NUMBER:
BRICK APPLICATION NUMBER:
BRICK FILING DATE:
BRICK FILING DATE:
BRICK APPLICATION NUMBER:
BRICK APPLICATION NU
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 Gaps
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 DB 2; Length 234;
89;
 Length 467;
 DB 2; Length 95;
53;
 Ouery Match 74.0%; Score 37; DB 2; Length 467 Best Local Similarity 71.4%; Pred. No. 1.8e+02; Matches 5; Conservative 1; Mismatches 1; Indels
 1; Indels
 TILE OF INVENTION: Super Humanized Antibodies FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PATENTIAN OF SEQ ID NOS: 127
SEQ ID NO 87
LENGTH: 95
 Query Match 72.0%; Score 36; DB Best Local Similarity 100.0%; Pred. No. 53; Matches 6; Conservative 0; Mismatches
 0; Mismatches
 Score 37;
Pred. No. 8
 ; Sequence 18296, Application US/09252991A ; Patent No. 6551795
 US-10-194-975-87; Sequence 87, Application US/10194975; Sequence 87, Application US/10194975; Patent No. 6881557; GENERAL INFORMATION:
 ORGANISM: Pseudomonas aeruginosa
 74.0%;
85.7%;
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 TYPE: PRT
CRGANISM: Homo sapiens
US-10-194-975-87
 TYPE: PRT
CORGANISM: Homo sapien
US-09-848-832-4
 109 QQRFNWP 115
 13 RRGNWPP 19
 2 QRSNWPP 8
 89 OORSNW 94
 9
 1 QORSNW
 US-09-252-991A-18296
 US-09-252-991A-18296
 LENGTH: 234
SEQ ID NO 4
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 Sequence 4, Application US/09848832
Patent No. 6890532
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Hooper, Douglas
APPLICANT: Dietzschold, Bernhard
TITLE OF INVENTION: RABIES VIRUS-SPECFIC NEUTRALIZING HUMAN
TITLE OF INVENTION: MONOCLONAL ANTIBODIES AND NUCLEIC ACIDS AND RELATED METHODS
FILE REFERENCE: HOOO1.NPO002
CURRENT APPLICATION NUMBER: 0/09/48,832
CURRENT PILING DATE: 2001-05-04
PRIOR FILING DATE: 2000-06-16
PRIOR APPLICATION NUMBER: 60/204,518
PRIOR FILING DATE: 2000-06-16
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSEQ for Windows Version 4.0
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 Gaps
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 76.0%; Score 38; DB 1; Length 3174; 100.0%; Pred. No. 8.1e+02; Live 0; Mismatches 0; Indels
Pred. No. 1.9e+02;
1; Mismatches 1; Indels
 COUNTRY: USA

ZIP: 94608-2916

ZIP: 94608-2916

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,451
FILING DATE: 07-UN-1995
GIASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MCClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0335.002
TELEPAN: 510-601-2708
TELEPAN: 510-601-2708
TELEPAN: 510-601-2708
TELEPAN: 3174 amino acids
 Sequence 3, Application US/08477451

Patent No. 5928865

GENERAL INFORMATION:

APPLICANT: COVACCI, Antonello
TITLE OF INVENTION: Helicobacter Pylori Cagi Region
NUMBER OF SEQUENCES: 46

CORRESPONDENCE ADDRESS:

CORRESPECT CHIRCON CORPORATION
STREET: 4560 Horton Street
CITY: Emeryville
 Query Match 76.0
Best Local Similarity 100.
Matches 6; Conservative
Best Local Similarity 71.9
Matches 5; Conservative
 TYPE: amino acid
STRANDEDNESS: single
 MOLECULE TYPE: protein
 2260 QRSNWP 2265
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655 ERGNWPP 661
 TOPOLOGY: linear
 2 QRSNWPP 8
 2 QRSNWP 7
 RESULT 33
US-09-848-832-4
 US-08-477-451-3
 RESULT 32
US-08-477-451-3
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COMPUTER: IBM CO
OPERATING SYSTEM:
 STATE: N
 Matches
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 ## APPLICANT: Winter, Gregory
TITILE OF INVENTION: Wethods for Producing Members of Specific Binding Pairs
FILE REPERENCE: 213839-00013
CURRENT APPLICATION NUMBER: GB 9015198.6
PRIOR PELLIANG DATE: 1990-10-19
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PRIOR FILING DATE: 1990-10-13
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PRIOR PE
 OTHER INFORMATION: VL of scFv from mouse immunized with 2-phenyl-5-oxazolone
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 Gaps
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0
 2; Length 108;
 0; Indels
 Sequence 240, Application US/09196522
Batent NO. 6916605
GENERAL INFORMATION:
APPLICANT: Cambridge Antibody Technology
APPLICANT: Medical Research Council
APPLICANT: Mcdical Research Council
APPLICANT: Mcdical Research Applicant: Pope, Anthony
 GENERAL INFORMATION:
APPLICANT: Cambridge Antibody Technology
APPLICANT: Cambridge Antibody Technology Limited
APPLICANT: Medical Research Council
APPLICANT: McCafferty, John
APPLICANT: Pope, Anthony
 72.0%; Score 36; DB
75.0%; Pred. No. 60;
cive 2; Mismatches
Sequence 240, Application US/09726219A Patent No. 6806079
 Johnson, Kevin
Hoogenboom, Hendricus
Griffiths, Andrew
Jackson, Ronald
 Holliger, Kasper
Marks, James
Clackson, Timothy
Chiswell, David
 ORGANISM: Artificial Sequence
 6; Conservative
 88 QQRSSYPP 95
 1 QQRSNWPP 8
 Query Match
Best Local Similarity
Matches 6; Conserv
 US-09-726-219A-240
 RESULT 37
US-09-196-522-240
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APPLICANT: Chiadwall, bavid
APPLICANT: Winter, Cregory
APPLICANT: Winter, Timothy
TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs
FILE REFERENCE: 213839-00004
CURRENT APPLICATION NUMBER: US/09/196,522
CURRENT FILING DATE: 1990-10-18
PRIOR FILING DATE: 1990-00-10
PRIOR FILING DATE: 1990-10-19
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PRIOR FILING DATE: 1991-03-06
PRIOR FILING DATE: 1991-05-15
PRIOR PELICATION NUMBER: GB 9110549-4
PRIOR FILING DATE: 1991-05-15
PRIOR PELICATION NUMBER: US 07/971,857
PRIOR FILING DATE: 1991-05-15
PRIOR FILING DATE: 1991-05-16
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PRIOR FILING DATE: 1995-06-07
 ; OTHER INFORMATION: VL of scFv from mouse immunized with 2-phenyl-5-oxazolone US-09-196-522-240
 ö
 US-08-828-009-2

US-08-828-009-2

Patent No. 5914394

GENERAL INFORMATION:

APPLICANT: Chen, Hong
APPLICANT: Chen, Hong
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: DISORDERS

ITLE OF INVENTION: DISORDERS

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSES: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York
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0
 Length 108;
 Indels
 Score 36; DB
Pred. No. 60;
2; Mismatches
Hoogenboom, Hendricus
Griffiths, Andrew
 72.0%;
 TYPE: PRT
ORGANISM: Artificial Sequence
 SOFTWARE: PatentIn version 3.1 SEQ ID NO 240
 Clackson, Timothy
Chiswell, David
 Holliger, Kasper
Marks, James
 Jackson, Ronald
 Conservative
 COMPUTER READABLE FORM MEDIUM TYPE: Diskett
 ІВМ Сощра
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88 QORSSYPP 95
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 Query Match
Best Local Similarity
 COUNTRY: USA
ZIP: 10036/2711
 1 QQRSNWPP
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Gaps

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72.0%; Score 36; DB 1; Length 115; 100.0%; Pred. No. 64; 0; Mismatches 0; Indels
 REFERENCE/DOCKET NUMBER: 14643-9-3
 TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFRAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 181:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 anino acids
TYPE: amino acid
 TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 181:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acid
 Query Match 72.0
Best Local Similarity 100.
Matches 6; Conservative
 , MOLECULE TYPE: protein US-08-053-131-181
 TOPOLOGY: linear
 109 QQRSNW 114
 1 OORSNW 6
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 Gaps
 Sequence 181, Application US/08053131
; Sequence 181, Application US/08053131
; Patent No. 5661016
; GENERAL INFORMATION:
; APPLICANT: Lonberg, Nils
APPLICANT: Asy, Robert M.
; TITLE OF INVENTION: Producing Heterologous Antibodies
; TITLE OF INVENTION: Producing Heterologous Antibodies
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STRRET: One Market Plaza, Steuart Tower, Suite 200
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
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 DB 1; Length 110;
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 CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 26-APR-1993
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR-1992
ATTONEY/AGENT INFORMATION:
NAME: SMICH, William M.
REGISTRATION NUMBER: 30,223
 2; Mismatches
 Query Match 72.0%; Score 36; DB Best Local Similarity 62.5%; Pred. No. 62; Matches 5; Conservative 2; Mismatches
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/828,009
FILING DATE: 27-MAR-1997
CLASSIFICATION NUMBER: US/08/828,009
FILING DATE: ATTORNER: US/08/828,009
FILING DATE: ATTORNER: 30,742
NAME: COTUZZI, LAUTE A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7883-070
TELECOMMUNICATION INFORMATION:
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 ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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 RESULT 39
US-08-053-131-181
 US-08-828-009-2
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-096-762-181
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Search completed: December 14, 2005, 07:33:23 Job time : 12.7241 secs

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 GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
 US-09-920-267C-6
US-10-720-323-6
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 Searched:
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 Sequence 6, Application US/09920267C

Sequence 6, Application US/09920267C

Sequence 6, Application US/09920267C

Sequence 6, Application No. US2030040044A1

GENERAL INFORMATION:
APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit

APPLICANT: Trikha, Mohit

APPLICANT: Nakada, Marian

APPLICANT: Nakada, Marian

FILE REFERENCE: CEN 249

CURRENT APPLICATION NUMBER: US/09/920,267C

CURRENT FILING DATE: 2001-08-01

PRIOR APPLICATION NUMBER: 60/223,363

PRIOR PRILICATION NUMBER: 60/223,363

PRIOR PLING DATE: 2000-08-07

SOFTWARE: Patentin vergion 3.1

SEQ ID NO 6

LENGTH: 8
 APPLICANT: Gales-Komar, Jill
APPLICANT: Gales-Komar, Jill
APPLICANT: Gales-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Trikha, Mohit
APPLICANT: Trikha, Mohit
APPLICANT: Trikha, Mohit
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REPRENCE: CEN 249 CIPNP
CURRENT APPLICATION NUMBER: US/10/720,323
CURRENT FILING DATE: 2003-11-24
PRIOR FILING DATE: 2003-11-24
PRIOR PRILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 6
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 100.0%; Score 50; DB 3; Length 8; 100.0%; Pred. No. 1.7e+06; ive 0; Mismatches 0; Indels
 100.0%; Score 50; DB 4; Length 8; 100.0%; Pred. No. 1.7e+06;
 0; Indels
 0; Mismatches
ALIGNMENTS
 RESULT 2
US-10-720-323-6
Sequence 6, Application US/10720323
Publication No. US20040185507A1
GENERAL INFORMATION:
 Query Match
Best Local Similarity 100...
8, Conservative
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 TYPE: PRT
ORGANISM: Homo sapiens
 |||||||||
1 QQRSNWPP 8
 1 QQRSNWPP 8
 1 QQRSNWPP 8
 1 QQRSNWPP 8
 US-09-920-267C-6
 US-09-920-267C-6
 US-10-720-323-6
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RESULT 3 US-10-173-551-12

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RESULT 5
US-10-656-769-74
is Sequence 74. Application US/10656769
is Publication No. US20040097712A1
is GENERAL INFORMATION:
is APPLICANT: Varium, Brian
is APPLICANT: Vezina, Chris
is APPLICANT: Word, Lu Min
is APPLICANT: Word, Lu Min
is APPLICANT: Gran, Xueming
it TILE OF INVENTION: Therapeutic Human Anti-IL-1R Monoclonal Antibody
is FILE REPERENCE: 01.1554
is CURRENT APPLICATION NUMBER: US/10/656,769
is CURRENT FILING DATE: 2003-09-05
is SOFTWARE: PatentIn version 3.0
is SEQ ID NO 74
is LENTH: 10
is LENTH: 10
is LENTH: 10
 Gaps
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 Query Match 100.0%; Score 50; DB 4; Length 10; Best Local Similarity 100.0%; Pred. No. 0.25; Matches 8; Conservative 0; Mismatches 0; Indels
Sequence 12, Application US/10173551

Publication No. US20030232387A1

GENERAL INFORMATION:

APPLICANT: LU, Chafen

TILLE OF INVENTION: Antibodies that bind alphaE Integrin
FILE REFERENCE: 1855.2025-000

CURRENT APPLICATION NUMBER: US/10/173,551

CURRENT FILING DATE: 2002-06-14

NUMBER OF SEQ ID NOS: 70

SOFFWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 12

LENGTH: 10

TYPE: PRT
 100.0%; Score 50; DB 4; Length 10; 100.0%; Pred. No. 0.25;
 US-10-173-551-22
Sequence 22, Application US/10173551
Sequence 22, Application US/10173551
Sequence 22, Application US/10173551
Sequence 22, Application US/10173551
September 10: US-10: Chafen
TITLE OF INVERMION: Antibodies that bind alphaE Integrin
TITLE OF INVERMION: Antibodies that bind alphaE Integrin
CURRENT APPLICATION NUMBER: US/10/173,551
CURRENT FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 70
SEQ ID NO 22
SEQ ID NO 22
 0; Mismatches
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 ; ORGANISM: Homo sapiens
US-10-173-551-12
 TYPE: PRT

ORGANISM: Homo sapiens
US-10-173-551-22
 TYPE: PRT
CRGANISM: Homo sapiens
US-10-656-769-74
 |||||||||
1 QQRSNWPP 8
 1 OORSNWPP 8
 1 QORSNWPP 8
 1 QORSNWPP 8
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Gaps
 Gaps
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 100.0%; Score 50; DB 6; Length 10; 100.0%; Pred. No. 0.25;
 DB 6; Length 10
 0; Indels
 Indels
 APPLICANT: WANG, Changyu
APPLICANT: PASSMORE, David
APPLICANT: RANGAN, Vangipuram
APPLICANT: RANGAN, Vangipuram
APPLICANT: RANGAN, Vangipuram
APPLICANT: REIRSTEAD, Hans E.
APPLICANT: LIU, Michael T.
TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES
FILE REFERENCE: MXI-312
CURRENT APPLICATION NUMBER: US/11/009,731
CURRENT FILING DATE: 2004-12-10
PRIOR FILING DATE: 2003-12-10
NUMBER: OF SEQ ID NOS: 126
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 74
 GENERAL INFORMATION:
APPLICANT: BESHPANDE, Shirkant
APPLICANT: RINIVASAN, Mohan
APPLICANT: SRINIVASAN, Mohan
APPLICANT: SRINIVASAN, Mohan
APPLICANT: WANG, Changyu
APPLICANT: WANG, Changyu
APPLICANT: MANG, Changyu
APPLICANT: RANGAN, Vangipuram
APPLICANT: LANE, Thomas E.
APPLICANT: KEIRSTEAD, Hans S.
APPLICANT: KEIRSTEAD, Hans S.
APPLICANT: KEIRSTEAD, Hans S.
APPLICANT: LANE, Thomas E.
CHERENGE: MXI-312
CURRENT FILLS OF PRIOR MINBER: US/11/009,731
CURRENT FILLS DATE: 2004-12-10
PRIOR APPLICATION NUMBER: 60/529180
PRIOR APPLICATION NUMBER: 60/529180
PRIOR APPLICATION NUMBER: 60/529180
NUMBER OF SEQ ID NOS: 126
SOFTWARE: PRESENCE MINGOWS VERSION 4.0
LENGTH. 100 79
 100.0%; Score 50; DB 6; 100.0%; Pred. No. 0.25;
 0; Mismatches
 0; Mismatches
 HUANG, Haichun
SRINIVASAN, Mohan
CARDARELLI, JOSEPhine M.
 RESULT 8
US-11-009-731-74
; Sequence 74, Application US/11009731
; Publication No. US20050191293A1
; GENERAL INFORMATION:
; APPLICANT: DESHPANDE, Shirkant
 Sequence 79, Application US/11009731; Publication No. US20050191293A1; GENERAL INFORMATION:
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-009-731-74
 ; ORGANISM: Homo sapiens
US-11-009-731-79
 1 QQRSNWPP 8
 1 QQRSNWPP 8
 1 QORSNWPP 8
 Query Match
Best Local Similarity
Matches 8; Conserv
 US-11-009-731-79
 APPLICANT:
APPLICANT:
 TYPE: PRT
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 FUDICALUM NO. US.OUS.ULS.S.41A.1

FUDICALUM NO. US.US.ULS.S.41A.1

APPLICANT: Giles-Komar, Jill

APPLICANT: David Knight

APPLICANT: David Knight

APPLICANT: Bernie Scallon

APPLICANTON: ANTI-THF ANTIBODIES, COMPOSITIONS, METHODS AND USES

FILE REFERENCE: CEN0250 DIV-2

CURRENT APPLICATION NUMBER: US/10/954,900A

CURRENT PILING DATE: 2004-09-01

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

PRIOR PILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 15

SSOFTWARE: PATENTIN Ver 3.1

LENGTH: 10
 ö
 Sequence 14, Application US/10394471B
Sequence 14, Application US/10394471B
Publication No. US20040185047A1
GENERAL INFORMATION:
JAPLICANT: Giles Komar, Jill; Carton, Jill; Scallon, Bernard J.
TITLE OF INVENTION: ANTI-TNF ANTIEDDIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: ECRNO.202
CURRENT APPLICATION NUMBER: US/10/394,471B
PRIOR APPLICATION NUMBER: 60/367,903
PRIOR PILING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver 3.1
SSC ID NO 14
LENGTH: 10
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 100.0%; Score 50; DB 4; Length 10; 100.0%; Pred. No. 0.25; cive 0; Mismatches 0; Indels
 100.0%; Score 50; DB 4; Length 10; 100.0%; Pred. No. 0.25; cive 0; Mismatches 0; Indels
 100.0%; Score 50; DB 5; Length 10; 100.0%; Pred. No. 0.25; tive 0; Mismatches 0; Indels
 Sequence 6, Application US/10954900A
Publication No. US20050123541A1
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
US-10-394-471B-14
 TYPE: PRT
ORGANISM: Homo sapiens
US-10-954-900A-6
 1 QORSNWPP 8
 1 OORSNWPP 8
 1 QQRSNWPP 8
 1 QORSNWPP 8
 QORSNWPP 8
 US-10-394-471B-14
 US-10-954-900A-6
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Sequence 19, Application US/11074803

Publication No. US20050152912A1

GENERAL INFORMATION:

APPLICANT: Reiter, Yoram

APPLICANT: Cohen, Cyril J.

TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: 29361

CURRENT APPLICATION NUMBER: US/11/074,803

CURRENT PILING DATE: 2005-03-09

NUMBER OF SEQ ID NOS: 97

SOFTWARE: Patentin version 3.2

LENGTH: 11
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 ; OTHER INFORMATION: Sequence of complementarity determining region of Fab; OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex. US-11-074-803-19
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 Query Match 100.0%; Score 50; DB 5; Length 102; Best Local Similarity 100.0%; Pred. No. 1.8; Matches 8; Conservative 0; Mismatches 0; Indels
 Query Match 100.0%; Score 50; DB 6; Length 11; Best Local Similarity 100.0%; Pred. No. 0.27; Matches 8; Conservative 0; Mismatches 0; Indels
Indels
 ; OTHER INFORMATION: Synthetically generated peptide
US-10-916-840-38
 ö
 Mismatches
 APPLICANT: Hufton, Simon E.
APPLICANT: Hufton, Simon E.
APPLICANT: Hoet, Rene
APPLICANT: Fleters, Henk
APPLICANT: Rene, Rachel Baribault
APPLICANT: Rockey, Kristen
TITLE OF INVENTION: TIE1-BINDING LIGANDS
FIE REFERENCE: 10280-083001
CURRENT APPLICATION NUMBER: US/10/916,840
CURRENT FILING DATE: 2004-08-12
PRIOR APPLICATION NUMBER: US 60/494,713
PRIOR FILING DATE: 2003-08-12
NUMBER OF SEQ ID NOS: 161
SEQ ID NO 38
 US-10-916-840-38
. Sequence 38, Application US/10916840
. Publication No. US20050136053A1
. GENERAL INFORMATION:
 ö
 LENGTH: 102
TYPE: PRT
ORGANISM: Artificial Sequence
 TYPE: PRT
ORGANISM: Artificial sequence
8; Conservative
 1 QORSNWPP 8
 8
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1 QQRSNWPP 8
 1 QORSNWPP 8
 1 QQRSNWPP
 1 OORSNWPP
 US-11-074-803-19
 FEATURE:
 Matches
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 Sequence 19, Application US/10396578
Publication No. US20040191260A1
GENERAL INFORMATION:
APPLICANT: Reter Yoram
APPLICANT: Cohen, Cyril J
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 25563
CURRENT APPLICATION NUMBER: US/10/396,578
CURRENT FILING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PATENTING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 97
SEQ ID NO: 97
LENGTH: 11
 ö
) OTHER INFORMATION: Sequence of complementarity determining region of Fab ; OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex. US-10-396-578-19
 Gaps
 ö
 100.0%; Score 50; DB 6; Length 10; 100.0%; Pred. No. 0.25;
 Score 50; DB 4; Length 11;
Pred. No. 0.27;
 0; Indels
 APPLICANT: STERN, ANNE
APPLICANT: STREIN, PAMELA
APPLICANT: STUBENRAUCH, KAY-GUNNAR
APPLICANT: VAN DE WINKEL, JAN
APPLICANT: VAN VUGT, MARTINE
TITLE OF INVENTION: ANTI-P SELECTIN ANTIBODIES
 0; Mismatches
 CURRENT APPLICATION NUMBER: US/11/102,403
CURRENT FILING DATE: 2005-04-08
PRIOR APPLICATION NUMBER: EP 04008722.3
PRIOR FILING DATE: 2004-04-13
NUMBER OF SEQ ID NOS: 55
SOFTHARE: PATENTIN Ver. 3.3
SEQ ID NO 50
LENGTH: 10
 APPLICANT: GRAUS, YVO
APPLICANT: HIMBER, JACQUES
APPLICANT: HIMBER, JACQUES
APPLICANT: ALING, DONOTHEE
APPLICANT: KCLING, DONOTHEE
APPLICANT: ROBETZKI, ERHARD
APPLICANT: PRARREN, PAUL
APPLICANT: STEINER, BEAT
 US-11-102-403-50
; Sequence 50, Application US/11102403
; Publication No. US20050226876A1
; GENERAL INFORMATION:
 100.0%;
 TYPE: PRT
ORGANISM: Artificial sequence
 Best Local Similarity 100.
Matches 8, Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
US-11-102-403-50
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 1 QORSNWPP 8
 1 QQRSNWPP 8
 Query Match
Best Local Similarity
 OORSNWPP
 Query Match
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90 QQRSNWPP 97

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GENERAL INFORMATION

APPLICANT: Centocor, Inc.

APPLICANT: Centocor, Inc.

APPLICANT: Trikha, Mohit

APPLICANT: Trikha, Mohit

APPLICANT: Snyder, Linda

APPLICANT: Nakada, Marian

TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES

FILE REFERENCE: CEN 249

CURRENT APPLICATION NUMBER: US/09/920,267C

CURRENT PILING DATE: 2001-08-01

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

NUMBER: OF SEQ ID NOS: 17

SOFTWARE: Patentin version 3.1

SEQ ID NO 8

LENGTH: 108
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 Squence 8, Application US/10305347A
Squence 8, Application US/10305347A
Publication No. US20030143603A1
Publication No. US20030143603A1
APPLICANT: Gilber Komar, Jill
APPLICANT: Gilber Komar, Jill
APPLICANT: Gilber Komar, Jill
APPLICANT: Bernie Scallon
TITLE OF INVENTION: ANTI-TNF ANTIBODIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: CENSORS
CURRENT APPLICATION NUMBER: US/10/305,347A
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver 3.0
SEQ ID NOS: 9
SCOTTMARE: Patentin Ver 3.0
 Gaps
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 100.0%; Score 50; DB 3; Length 108; 100.0%; Pred. No. 1.9; tive 0; Mismatches 0; Indels
 ; Score 50; DB 4; Length 108;
; Pred. No. 1.9;
 US-10-173-551-9
; Sequence 9, Application US/10173551
; Publication No. US2003023287A1
; GENERAL INFORMATION:
APPLICANT: Lu, Chafen
; TITLE OF INVENTION: Antibodies that bind alphaE Integrin
; TILE REFERENCE: 1855.2025-000
; CURRENT APPLICATION NUMBER: US/10/173,551
; CURRENT FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
 Indels
 100.0%;
 Query Match
Best Local Similarity 100.
 Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-920-267C-8
 ; ORGANISM: Homo sapiens
US-10-305-347A-8
 Query Match
Best Local Similarity
 89 QORSNWPP 96
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 1 QORSNWPP 8
 1 QQRSNWPP
 US-10-305-347A-8
 108
 TYPE: PRT
 LENGTH:
 셤
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 APPLICANT Bowdish, Katherine S.
APPLICANT Renehaw, Mark
APPLICANT Renehaw, Mark
APPLICANT Renehaw, Mark
APPLICANT Lin, Ying-Chi
APPLICANT Lin, Ying-Chi
APPLICANT Lin, Ying-Chi
TITLE OF INVENTION: ENGINEERD TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
FILE REPERENCE: 1087-21 CTP
CURRENT APPLICATION NUMBER: US/10/737,252
CURRENT APPLICATION NUMBER: US/251,085
PRIOR FILING DATE: 2002-09-19
PRIOR FILING DATE: 2001-09-19
NUMBER OF SEQ ID NOS: 309
SSOFTWARE: PATENTION OF 332,455
SSO ID NO 142
LENGTH: 107
 APPLICANT: Bowdish, Katherine S.
APPLICANT: Bowdish, Katherine S.
APPLICANT: Bowdish, Katherine S.
APPLICANT: Rederickson, Shana
APPLICANT: Renshaw, Mark
APPLICANT: Maruyama, Toshiaki
TITLE OP INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
FILE REFERENCE: 1087-21
CURRENT APPLICATION NUMBER: US/10/251,085B
CURRENT FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: US 60/323,455
PRIOR APPLICATION NUMBER: US 60/323,455
PRIOR APPLICATION NUMBER: US 60/323,455
SRIOR FILING DATE: 2001-09-19
SOFTWARE: Patentin version 3.2
SEQ ID NO 142
LENGTH: 107
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 100.0%; Score 50; DB 4; Length 107; 100.0%; Pred. No. 1.9;
 100.0%; Score 50; DB 4; Length 107; 100.0%; Pred. No. 1.9; o; Mismatches 0; Indels
 Indels
 Mismatches
 Sequence 142, Application US/10251085B Publication No. US20040072164A1 GENERAL INFORMATION:
 Sequence 142, Application US/10737252
Publication No. US20040175736A1
GENERAL INFORMATION:
 Sequence 8, Application US/09920267C
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 89 QORSNWPP 96
 QORSIMPP 96
 1 QORSNWPP 8
 1 QORSNWPP 8
 ; TYPE: PRT
; ORGANISM: human
US-10-737-252-142
 ORGANISM: human
US-10-251-085B-142
 RESULT 14
US-10-251-085B-142
 TYPE: PRT
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Сарв

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TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
 Sequence 8, Application US/10954900A

Sequence 8, Application US/10954900A

Publication No. US20050123541A1

GENERAL INFORMATION:

APPLICANT: Glies-Komar, Jill

APPLICANT: David Shealy

APPLICANT: David Shealy

APPLICANT: Bernie Scallon

APPLICANT: George Heavner

IITLE OF INVENTION: ANTI-TNF ANTIBODIES, COMPOSITIONS, METHODS AND USES

FILE REPERENCE: CENDOSJO DIV-2

CURRENT APPLICATION NUMBER: US/10/954,900A

CURRENT FILING DATE: 2004-09-30

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-09-09

NUMBER OF SEQ ID NOS: 15

SOFTWARE: Patentin Ver 3.1

SEQ ID NO 8

LENGTH: 108
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 ö
 100.0%; Score 50; DB 5; Length 108; 100.0%; Pred. No. 1.9;
 100.0%; Score 50; DB 4; Length 108; 100.0%; Pred. No. 1.9;
 Indels
 0; Mismatches
 0; Mismatches
 FILE REFERENCE: CEN 249 CIPNP
CURRENT APPLICATION NUMBER: US/10/720,323
CURRENT FILING DATE: 2003-11-24
FRIOR APPLICATION NUMBER: 60/223,363
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
LENGTH: 108
 Sequence 85, Application US/11009731
Publication No. US20050191293A1
GENERAL INFORMATION:
APPLICANT: HUANG, Haichun
APPLICANT: SRINIVASAN, Mohan
APPLICANT: CARDARELLI, Josephine M. APPLICANT: WANG, Changyu
APPLICANT: RANSWORE, David
APPLICANT: RANGAN, Vangipuram
APPLICANT: ANGAN, Vangipuram
APPLICANT: LANE, Thomas E.
 Ouery Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 8; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 ORGANISM: Homo sapiens
 89 QQRSNWPP 96
 89 QQRSNWPP 96
 1 QORSNWPP 8
 1 QQRSNWPP 8
 Query Match
Best Local Similarity
Matches 8; Conserv
 US-11-009-731-85
 US-10-954-900A-8
 US-10-720-323-8
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 Query Match 100.0%; Score 50; DB 4; Length 108; Best Local Similarity 100.0%; Pred. No. 1.9; Matches 8; Conservative 0; Mismatches 0; Indels
 100.0%; Score 50; DB 4; Length 108; 100.0%; Pred. No. 1.9;
 Sequence 19, Application US/10173551

Sequence 19, Application US/10173551

Bublication No. US2003023238741

GENERAL INPORMATION:

TITLE OF INVENTION: Antibodies that bind alphaE Integrin

FILE REFREENCE: 1855.2025-000

CURRENT APPLICATION UNDBER: US/10/173,551

CURRENT FILING DATE: 2002-06-14

NUMBER OF SEQ ID NOS: 70

SOFTWARE: PASESEQ for Windows Version 4.0

LENGTH: 108
 0; Indels
 0; Mismatches
 RESULT 20
US-10-720-323-8
Sequence 8, Application US/10720323
Publication No. US20040185507A1
GENERAL INFORMATION:
 APPLICANT: Centocor, Inc.
APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Nakada, Marian
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 FEATURE:

NAME/KEY: SITE

COCATION: (56)

OTHER INFORMATION: CDR2

FEATURE:

NAME/KEY: SITE

LOCATION: (89)

OTHER INFORMATION: CDR3

US-10-173-551-9
 FEATURE:
NAME/KEY: SITE
LOCATION: (50)...(56)
OTHER INFORMATION: CDR2
 FEATURE:

NAME/KEY: SITE

LOCATION: (89)...(98)

OTHER INFORMATION: CDR3

US-10-173-551-19
 LOCATION: (24)...(34)
OTHER INFORMATION: CDR1
 LOCATION: (24)...(34)
OTHER INFORMATION: CDR1
 TYPE: PRT
ORGANISM: Homo sapiens
 ORGANISM: Homo sapiens
 QORSNWPP 96
 1 QQRSNWPP 8
 1 OORSNWPP 8
 FEATURE:
NAME/KEY: SITE
 NAME/KEY: SITE
 RESULT 19
US-10-173-551-19
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FEATURE:

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Gaps

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Sequence 11, Application US/11102403; Publication No. US20050226876A1; GENERAL INFORMATION:
APPLICANT: ARPLICANT: HIMBER, JACQUES; APPLICANT: JANSEN-MOLENAAR, MIRANDA
 Sequence 9, Application US/11102403
Publication No. US20050226876A1
GENERAL INFORMATION:
 Best Local Similarity 100.
Matches 8; Conservative
 8; Conservative
 ; ORGANISM: Homo sapiens
US-11-021-715-101
 ; ORGANISM: Homo Bapiens
US-11-102-403-9
 89 QORSNWPP 96
 1 QQRSNWPP 8
 1 QORSNWPP 8
 Query Match
Best Local Similarity
 RESULT 26
US-11-102-403-11
 Query Match
 Matches
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 Sequence 10.1. Application US/11021715
Fublication No. US20050208596A1
GENERAL INFORMATION:
APPLICANT: Siegel, Donald L.
TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF
TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF
FILE REFERENCE: 053893-5050
CURRENT APPLICATION NUMBER: US/11/021,715
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 Gaps
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 DB 6; Length 108;
 100.0%; Score 50; DB 6; Length 108; 100.0%; Pred. No. 1.9;
 0; Indels
 0; Indels
APPLICANT: KEIRSTEAD, Hans S.
APPLICANT: LIU, Michael T.
TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES
FILE REFERENCE: MXI-312
CURRENT APPLICATION NUMBER: US/11/009,731
CURRENT FILING DATE: 2004-12-10
PRIOR APPLICATION NUMBER: 60/529180
PRIOR APPLICATION NUMBER: 60/529180
PRIOR APPLICATION NUMBER: 60/529180
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 85
LENGTH: 108
 APPLICANT: HUANG, Haichun
APPLICANT: SHINIVASAN, Mohan
APPLICANT: SAINIVASAN, Mohan
APPLICANT: CARDARELLI, Josephine M.
APPLICANT: PASSMORE, David
APPLICANT: RANGAN, VANGIPURAM
APPLICANT: RANGAN, VANGIPURAM
APPLICANT: LIANE, Thomas E.
APPLICANT: LIANE, Thomas E.
APPLICANT: LIANE, Thomas E.
APPLICANT: LIANE, THOMAS I.
TITLE OF INVENTION: IP-10 ANTIBODIES AND THEIR USES
FILE REFERENCE: MXI-312
 100.0%; Score 50; DB
100.0%; Pred. No. 1.9
tive 0; Mismatches
 0; Mismatches
 CURRENT APPLICATION NUMBER: US/11/009,731
CURRENT FILING DATE: 2004-12-10
PRIOR APPLICATION NUMBER: 60/529180
PRIOR FILING DATE: 2003-12-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FASTSEQ for Windows Version 4.0
 APPLICANT: DESHPANDE, Shirkant
APPLICANT: HUANG, Haichun
APPLICANT: SRINIVASAN, Mohan
APPLICANT: CARDARELLI, Josephine M.
 Sequence 90, Application US/11009731 Publication No. US20050191293A1 GENERAL INFORMATION:
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 8; Conservative
 TYPE: PRT
GRGANISM: Homo sapiens
US-11-009-731-85
 TYPE: PRT
ORGANISM: Homo sapiens
 89 QQRSNWPP 96
 89 QQRSNWPP 96
 1 OORSNWPP 8
 1 QORSNWPP 8
 Query Match
Best Local Similarity
Matches 8; Conserva
 US-11-009-731-90
 US-11-021-715-101
 US-11-009-731-90
 SEQ ID NO 90
LENGTH: 108
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Gaps
 Gaps
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 100.0%; Score 50; DB 6; Length 108; 100.0%; Pred. No. 1.9;
 100.0%; Score 50; DB 6; Length 108; 100.0%; Pred. No. 1.9;
 0; Indels
 Indels
 APPLICANT: GRANS, YVO
APPLICANT: HIMBER, JACQUES
APPLICANT: HIMBER, JACQUES
APPLICANT: KLING, DORCTHEE
APPLICANT: KLING, DORCTHEE
APPLICANT: KOPETZKI, ERHARD
APPLICANT: ROBERS, PAUL
APPLICANT: STERN, PAUL
APPLICANT: STERN, PAUL
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: STERN, ANNE
APPLICANT: VAN VUGT, MARTINE
TITLE OF INVENTION: ANTI-P SELECTIN ANTIBODIES
FILE REFERENCE: 22354
CURRENT FILING DATE: 2005-04-08
PRIOR APPLICATION NUMBER: EP 04008722.3
PRIOR PLICATION NUMBER: EP 04008722.3
PRIOR PLICATION NOS: 55
SOFTWARE: PATENTIN VOY: 3.3
SEROID NOS: 55
PRIOR APPLICATION NUMBER: PCT/USO3/21304
PRIOR FILING DATE: 2003-07-03
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: 60/394,352
PRIOR APPLICATION NUMBER: 60/411,694
PRIOR PILING DATE: 2002-09-18
NUMBER OF FELING DATE: 2002-09-18
NUMBER OF FELING DATE: 2002-09-18
SEQ ID NO 101
LENGTH: 108
LENGTH: 108
 0; Mismatches
 0; Mismatches
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Sequence 24, Application US/10408901
Publication No. US20040023313A1
GENERAL INFORMATION:
 Sequence 8, Application US/10408901
Publication No. US20040023313A1
GENERAL INFORMATION:
 Query Match
Best Local Similarity 100.
 Query Match
Best Local Similarity luv.
 TYPE: PRT;
CRGANISM: Homo Bapiens
US-10-371-942-76
 ; ORGANISM: Homo sapiens
US-10-408-901-8
 88 QORSNWPP 95
 89 QORSINPP 96
 œ
 1 QORSNWPP 8
 1 QQRSNWPP
 US-10-408-901-24
 SEQ ID NO 24
LENGTH: 109
 US-10-408-901-8
 TYPE: PRT
 RESULT 30
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 Gaps
 Gaps
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 Score 50; DB 6; Length 108;
Pred. No. 1.9;
 100.0%; Score 50; DB 4; Length 109; 100.0%; Pred. No. 1.9;
 US-10-27.

Sequence 72, Application US/10371942

Sequence 72, Application US/10371942

GENERAL INFORMATION:

APPLICANT: Hoogenboom, Henricus Renerus Jacobus Mattheus

APPLICANT: Reiter, Yoram

TITLE OF INVENTION: MHC-PEPTIDE COMPLEX BINDING LIGANDS

FILE REFERENCE: 10280-034001

CURRENT FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: US 60/358,994

PRIOR APPLICATION NUMBER: US 60/358,994

PRIOR FILING DATE: 2002-02-20

NUMBER OF SEQ ID NOS: 121

SOFTWARE: FastsEQ for Windows Version 4.0

SEQ ID NO 72

LENGTH: 109
 0; Indels
 0; Indels
 Sequence 76, Application US/10371942
; Publication No. US20030223994A1
; GENERAL INFORMATION
; APPLICANT: Hoogenboom, Henricus Renerus Jacobus Mattheus
; ATILLE OF INVENTION MIC-PEPTIDE COMPLEX BINDING LIGANDS
; FILE REFERENCE: 10280-034001
; CURRENT APPLICATION NUMBER: US/10/371,942
 APPLICANT: VAN DE WINKEL, JAN
APPLICANT: VAN DE WINKEL, JAN
TILE OF INVENTION: ANTI-P SELECTIN ANTIBODIES
TITLE OF INVENTION: ANTI-P SELECTIN ANTIBODIES
TUTLE OF INVENTION: ANTI-P SELECTIN ANTIBODIES
CURRENT APPLICATION NUMBER: US/11/102,403
CURRENT FILING DATE: 2005-04-08
PRIOR APPLICATION NUMBER: EP 04008722.3
PRIOR PILING DATE: 2004-04-13
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PACENTIN VET. 3.3
SEQ ID NO 11
LENGTH: 108
 0; Mismatches
 Mismatches
 STERN, ANNE
STREIN, PAMELA
STUBENRAUCH, KAY-GUNNAR
 ..
 100.0%;
 KOPETZKI, ERHARD
PARREN, PAUL
REBERS, FRANK
STEINER, BEAT
 Query Match
Best Local Similarity 100.
KLING, DOROTHEE
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-371-942-72
 89 QQRSNWPP 96
 88 QORSNWPP 95
 1 QORSNWPP 8
 1 QORSNWPP 8
 RESULT 28
US-10-371-942-76
 US-11-102-403-11
 APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT: Boyle, William
APPLICANT: Boyle, William
APPLICANT: Huang, Haichun
APPLICANT: Huang, Haichun
APPLICANT: Bulliot, Robin
APPLICANT: Sullive, John
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Inhibitors
TITLE OF INVENTION: Inhibitors
TITLE OF INVENTION: Inhibitors
TITLE OF INVENTION: Inhibitors
CURRENT APPLICATION NUMBER: US/10/408,901
CURRENT FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 76
SOFTWARE: PatentIn version 3.0
SEQ ID NO 8
LENGTH: 109
 APPLICANT: Boyle, William
APPLICANT: Boyle, William
APPLICANT: Boyle, William
APPLICANT: Bliot, Robin
APPLICANT: Bliot, Robin
APPLICANT: Sliver, John
APPLICANT: Martin, Francis
APPLICANT: Martin, Francis
APPLICANT: Martin, Francis
APPLICANT: Martin, Francis
APPLICANT: Martin, Francis
APPLICANT: Martin, Francis
APPLICANT: Martin, Francis
APPLICANT: Martin, Francis
APPLICANT: Martin, Stancis
APPLICANTON: Inhibitors
FILE REFERENCE: MBHB 01-1145-A
CURRENT APPLICATION NUMBER: US/10/408,901
CURRENT APPLICATION NUMBER: 2003-04-07
NUMBER OF SEQ ID NOS: 76
SOFTWARE: Patentin version 3.0
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 100.0%; Score 50; DB 4; Length 109; 100.0%; Pred. No. 1.9;
 100.0%; Score 50; DB 4; Length 109; 100.0%; Pred. No. 1.9;
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 0; Mismatches
 0; Mismatches
PRIOR APPLICATION NUMBER: US 60/358,994
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 76
; LENGTH: 109
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SEQ ID NO 32
LENGTH: 215
 TYPE: PRT
 RESULT 35
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 RESULT 32
US-10-394-471B-16.

i Sequence 16, Application US/10394471B
; Publication No. US20040185047A1
; GENERAL INFORMATION:
i APPLICANT: Giles-Komar, Jill; Carton, Jill; Scallon, Bernard J.
i TILLE OF INVENTION: ANTI-TNP ANTIBODIES, COMPOSITIONS, METHODS AND USES
i FILE REPERRUCE: CENO202
i CURRENT APPLICATION NUMBER: US/10/394,471B
i CURRENT PILING DATE: 2003-03-21
i PRIOR PILING DATE: 2002-03-26
i NUMBER OF SEQ ID NOS: 17
i SOFTWARE: Patentin Ver 3:1
i SEQ ID NO 16
i LENGTH: 130
 Gaps
 Gaps
 Gaps
 Sequence 12, Application US/10656769
Publication No. US20040097712A1
GENERAL INFORMATION:
APPLICANT: Varnum, Brian
APPLICANT: Witte, Alison
APPLICANT: Wong, Lu Min
APPLICANT: Wong, Lu Min
APPLICANT: Wong, Lu Min
APPLICANT: Point Xueming
TITLE OF INVENTION: Therapeutic Human Anti-IL-IR Monoclonal Antibody
FILE REFERENCE: 01,1554
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 100.0%; Score 50; DB 4; Length 109; 100.0%; Pred. No. 1.9;
 Query Match
100.0%; Score 50; DB 4; Length 128;
Best Local Similarity 100.0%; Pred. No. 2.2;
Matches 8; Conservative 0; Mismatches 0; Indels
 100.0%; Score 50; DB 4; Length 130; 100.0%; Pred. No. 2.2; tive 0; Mismatches 0; Indels
 Indels
 0; Indels
 0; Mismatches
 CURRENT APPLICATION NUMBER: US/10/656,769
CURRENT FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin version 3.0
SEQ ID NO 12
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 Query Match
Best Local Similarity 100.
Matches 8, Conservative
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-901-24
 TYPE: PRT; ORGANISM: Homo sapiens
US-10-656-769-12
 109 QQRSNWPP 116
 TYPE: PRT
ORGANISM: Homo sapiens
 109 QQRSNWPP 116
 89 QQRSNWPP 96
 1 QORSNWPP 8
 1 QQRSNWPP 8
 1 QORSNWPP 8
 US-10-394-471B-16
 US-10-656-769-12
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US-10-408-901-32

Sequence 32, Application US/10408901

Sequence 32, Application US/10408901

Publication No. US20040023313A1

GENERAL INFORMATION:

APPLICANT: Boyle, William

APPLICANT: Huang, Haichun

APPLICANT: Boyle, Robin

APPLICANT: Boyle, Robin

APPLICANT: Martin, Francis

TITLE OF INVENTION: Human Anti-OPGL Neutralizing Antibodies As Selective OPGL Pathway, TITLE OF INVENTION: Inhibitors

FILE REFERENCE: MBHB 01-1145-A

CURRENT APPLICATION NUMBER: US/10/408,901

CURRENT APPLICATION NUMBER: 2003-04-07

NUMBER OF SEQ ID NOS: 76

SOFTWARE: PatentIn version 3.0
 APPLICANT: Huang, Haichun
APPLICANT: Huang, Haichun
APPLICANT: Boyle, William
APPLICANT: Huang, Haichun
APPLICANT: Boyle, William
APPLICANT: Sullivan, John
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
TITLE OF INVENTION: Inhibitors
TITLE OF INVENTION: Inhibitors
TITLE OF INVENTION: Inhibitors
TITLE OF INVENTION: 104-07
UNRER OF SEQ ID NOS: 76
SOFTWARE: PatentIn version 3.0
SEQ ID NO 48
LENGTH: 215
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 100.0%; Score 50; DB 4; Length 215; 100.0%; Pred. No. 3.4; ative 0; Mismatches 0; Indels
 Query Match 100.0%; Score 50; DB 4; Length 215; Best Local Similarity 100.0%; Pred. No. 3.4; Matches 8; Conservative 0; Mismatches 0; Indels
 US-10-408-901-48
, Sequence 48, Application US/10408901
; Publication No. US20040023313A1
; GENERAL INFORMATION:
 US-09-453-234-46

Sequence 46, Application US/09453234
Publication No. US20030091995A1
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
 Query Match
Best Local Similarity 100.
Matches 8; Conservative
 ; ORGANISM: Homo sapiens
US-10-408-901-32
 ; ORGANISM: Homo sapiens
US-10-408-901-48
 ||||||||
89 QQRSNWPP 96
 1 OORSNWPP 8
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NAME/KEY: SITE
 NAME/KEY: SITE
 NAME/KEY: SITE
 Query Match
 LOCATION:
 LOCATION:
 LOCATION
 LOCATION
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 Gaps
 Gaps
 APPLICANT: Witte, Alison
APPLICANT: Word, Chris
APPLICANT: Wong, Lu Min
APPLICANT: Wong, Lu Min
APPLICANT: Wong, Lu Min
TITLE OF INVENTION: Therapeutic Human Anti-IL-IR Monoclonal Antibody
FILE REFERENCE: 01,1554
CURRENT APPLICATION NUMBER: US/10/656,769
CURRENT FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin version 3.0
SEQ ID NO 38
 ö
 ö
 Sequence 6, Application US/10961567A
Publication No. US20050095244A1
GENERAL INFORMATION:
APPLICANT: Jure-Kunkel, Maria
APPLICANT: Hefta, Laura
APPLICANT: Gancoro, Marc
APPLICANT: Ganguly, SULLY HUMAN ANTIBODIES AGAINST HUMAN 4-1BB
TILLE REFERENCE: 10060 NP
CURRENT FALLICATION NUMBER: US/10/961,567A
CURRENT FILLIG DATE: 2004-110-08
PRIOR APPLICATION NUMBER: US 60/510193
 Query Match
100.0%; Score 50; DB 3; Length 224;
Best Local Similarity 100.0%; Pred. No. 3.6;
Matches 8; Conservative 0; Mismatches 0; Indels
 100.0%; Score 50; DB 4; Length 235; 100.0%; Pred. No. 3.7;
 0; Indels
 0; Mismatches
 APPLICANT: Lonberg, Nile
APPLICANT: Lonberg, Nile
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: GenPhara International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: U$/09/453,234
CURRENT APPLICATION NUMBER: U$ 60/157,415
PRIOR PILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 46
 ; Sequence 38, Application US/10656769; Publication No. US20040097712A1; GENERAL INFORMATION:
 Best Local Similarity 100.
Matches 8; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M1-10L
 APPLICANT: Varnum, Brian
 TYPE: PRT
CORGANISM: Homo sapiens
US-10-656-769-38
 109 QQRSNWPP 116
 ||||||||
89 QORSNWPP 96
Gray, Jeff
 1 QORSNWPP 8
 1 QQRSNWPP 8
 RESULT 37
US-10-961-567A-6
 US-09-453-234-46
 US-10-656-769-38
 Query Match
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ö
 LOCATION: (70) OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids NAME/KEY: SITE
 LOCATION: (29)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
 LOCATION: (73)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
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 LOCATION: (3)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 INFORMATION: Xaa equals any of the naturally occurring L-amino acids
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 Gaps
 ö
 100.0%; Score 50; DB 5; Length 236; 100.0%; Pred. No. 3.7; 0; Mismatches 0; Indels
 ; FEATURE:
; OTHER INFORMATION: pD16gate-20H4.9.LC amino acid sequence
US-10-961-567A-6
 SOURCE STATES Application US/09833245
Publication No. US2004010134A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Albumin Fusion Proteins
FILE REFERENCE: PF546PCT
CURRENT APPLICATION NUMBER: US/09/833,245
CURRENT FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: 60/229, 358
PRIOR APPLICATION NUMBER: 60/226, 931
PRIOR PILING DATE: 2000-12-21
PRIOR APPLICATION NUMBER: 60/199, 384
PRIOR FILING DATE: 2000-04-25
NUMBER OF SEQ ID NOS: 2267
SOFTWARE: PALENTIN VEY: 2.1
SEQ ID NO 237
LENGTH: 236
PRIOR FILING DATE: 2003-10-10
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.2
SEQ ID NO 6
LENGTH: 236
 Query Match
Best Local Similarity 100.
 109 QQRSNWPP 116
 TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
 1 QORSNWPP 8
 TYPE: PRT
ORGANISM: Artificial
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92.0%; Score 46; DB 3; Length 236;

0; Gaps

0; Indels

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 Search completed: December 14, 2005, 07:37:54 Job time : 36.6897 secs
 114 QQRSSWPP 121
 g
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 RESULT 39
US-10-233-996-40

JUS-10-233-996-40

Sequence 40, Application US/10233996

Publication No. US20030096976A1

GENERAL INFORMATION:

APPLICANT: HONG, Hyo Jeong

APPLICANT: PARK, Sung Sup

APPLICANT: PARK, Sung Sup

APPLICANT: PARK, Sung Wan

APPLICANT: PARK, Sung Wan

APPLICANT: PARK, Sung Wan

APPLICANT: PARK, Sung Kwan

APPLICANT: PARK, Sung Kwan

APPLICANT: HUMANIZED ANTIBODIES LB-00503 AND LB-00506 SPECIFIC FOR HUMAN 4-1

TITLE OF INVENTION: HUMANIZED ANTIBODIES

FILE REPERBRUE: 4363-0102P

CURRENT PAPLICATON NUMBER: US/10/233,996

CURRENT FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 53

SOUTHARE: PARENTIN Ver. 2.1

SEQ ID NO 40

LENGTH: 107
 NAME/KEY: DOMAIN

LOCATION: (69)..(110)

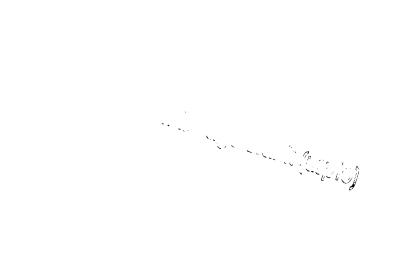
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OTHER INFORMATION: number DM01813B, p-value=1.956e-09, raw score of 17.93

US-10-450-763-44914
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 ; OTHER INFORMATION: Description of Artificial Sequence: Variable ; OTHER INFORMATION: region of light chain of human antibody (X82934) US-10-233-996-40
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 | Sequence | 14914, Application US/10450763 |
| Sequence | 14914, Application US/10450763 |
| Publication No. US20050196754A1 |
| GENERAL INFORMATION: |
| APPLICANT: Hyseq, Inc. |
| TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES |
| FILE REFERENCE: 790C1P3/US |
| CURRENT APPLICATION NUMBER: US/10/450, 763 |
| CURRENT FILING DATE: 2003-66-11 |
| PRIOR APPLICATION NUMBER: 09/540, 217 |
| PRIOR PILING DATE: 2000-03-31 |
| PRIOR PILING DATE: 2000-03-31 |
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| PRIOR PILING DATE: 2000-08-23 |
| NUMBER OF SEQ ID NOS: 60736 |
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Best Local Similarity 87.5%; Pred. No. 16; Matches 7; Conservative 0; Mismatches
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match 90.0
Best Local Similarity 100.
Matches 7; Conservative
 109 QQRXNWPP 116
 TYPE: PRT
ORGANISM: Homo sapiens
 1 QORSNWPP 8
 89 ORSNWPP 95
 2 ORSNWPP 8
 US-10-450-763-44914
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90.0%; Score 45; DB 5; Length 148;

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133, Appl
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130, App
1268, Ap
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Sequence 18,
Sequence 20,
 Description
 Sequence Seq
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Copyright (c) 1993 - 2005 Compugen Ltd.
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 December 14, 2005,
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Maximum DB seq length: 200000000
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50
 DB
 QQRSNWPP 8
 Length
 347
95
95
95
246
 Query
Match
 Post-processing:
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 Scoring table:
 score:
 Score
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 Total number
 protein
 Sequence:
 Searched:
 Title:
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 Database
 Run on:
 Result
No.
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Publication No. US20050249739A1
GENERAL INFORMATION:
 ; ORGANISM: Homo sapiens
US-10-997-201A-20
 ORGANISM: Homo sapiens
 89 QQRSNWPP 96
 44 QQRSNWPP 51
 1 QORSNWPP 8
 1 QORSNWPP 8
 Best Local Similarity
Matches 8; Conserv
 US-11-093-274-17
 US-11-093-274-24
 TYPE: PRT
 Query Match
 RESULT 5
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 APPLICANT: Marasso, Wayne
APPLICANT: Marasso, Wayne
APPLICANT: Marasso, Wayne
APPLICANT: Sui, Jianhua
TITLE OF INVENTION: Antibodies Against SARS-COV and Methods of Use Thereof
FILE REFERENCE: 20363-026
CURRENT APPLICATION NUMBER: US/10/997,201A
CURRENT FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: 60/524,840
PRIOR FILING DATE: 2003-11-25
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 39
 Sequence 1188, Ap
Sequence 932, App
 Gaps
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 100.0%; Score 50; DB 6; Length 9; 100.0%; Pred. No. 3.9e+04; tive 0; Mismatches 0; Indels
 Length 9;
 0; Indels
 100.0%; Score 50; DB 7; L. 100.0%; Pred. No. 3.9e+04; ive 0; Mismatches 0;
 US-11-054-515-1188
US-11-054-515-932
 ALIGNMENTS
 RESULT 3
US-10-997-201A-20
; Sequence 20, Application US/10997201A
 US-10-997-201A-39
. Sequence 39, Application US/10997201A
. Publication No. US20050249739A1
. GENERAL INFORMATION:
 ~ ~
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
 Conservative
 249
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-093-274-18
 ORGANISM: Homo sapiens
US-10-997-201A-39
 Query Match
Best Local Similarity
Matches 8; Conserve
 1 QORSNWPP 8
 1 QQRSNWPP 8
 1 QORSNWPP 8
 OORSNWPP 8
 54.0
54.0
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 TYPE: PRT
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APPLICAT: Nature (Name of the process of the proces
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 APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
APPLICANT: Kellermann, Sirid-Ai
TITLE OF INVENTION: MEDUCING THE RISK OF HUMAN ANTI-HUMAN
TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
CURRENT APPLICATION NUMBER: 106/554
CURRENT FILING DATE: 2005-03-17
PRIOR APPLICATION NUMBER: 60/554,661
PRIOR PILING DATE: 2004-03-19
PRIOR FILING DATE: 2004-05-24
NUMBER OF SEQ ID NOS: 266
SOFTWARE: FASES FOR Windows Version 4.0
SEQ ID NOS: 266
 Length 128;
 Length 95;
 Length 95;
 0; Indels
 0; Indels
 86.0%; Score 43; DB 6;
100.0%; Pred. No. 0.13;
tive 0; Mismatches
 Query Match 86.0%; Score 43; DB 7; Best Local Similarity 100.0%; Pred. No. 0.1; Matches 7; Conservative 0; Mismatches
 US-10-13-763-31
Sequence 31, Application US/10721763
Fublication No. US20050249729A1
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
FILE REFERENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2003-11-26
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-011
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PATENTIN VET. 2.1
SEQ ID NO 31
 0; Mismatches
 Sequence 138, Application US/11084554; Publication No. US20050260679A1; GENERAL INFORMATION:
 86.0%; (
100.0%;
 Best Local Similarity 100.0%;
Matches 7; Conservative 0
 Query Match
Best Local Similarity 100...
7; Conservative
 TYPE: PRT
CORGANISM: Homo sapiens
US-11-084-554-138
 TYPE: PRT
ORGANISM: Homo sapiens
 89 QQRSNWP 95
 89 QORSINP 95
 1 QQRSNWP 7
 1 QORSNWP 7
 US-11-084-554-138
 US-11-054-669-86
 US-10-721-763-31
 Query Match
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 94.0%; Score 47; DB 7; Length 108; 87.5%; Pred. No. 0.022; cive 1; Mismatches 0; Indels
 94.0%; Score 47; DB 7; Length 10; 87.5%; Pred. No. 0.0027; Live 1; Mismatches 0; Indels
 Sequence 23, Application US/11093274

Publication No. US20050266008A1

GENERAL INFORMATION:

APPLICANT: Cardaralli, Josephine M.

APPLICANT: Kempe, Thomas

APPLICANT: Srinivasan, Mohan

ITLE OF INVENTION: IRTA-S ANTIBODIES AND THEIR USES

FILE REFERENCE: 04280/120101-US1/093,274

CURRENT FILING DATE: 2005-03-28

PRIOR APPLICATION NUMBER: 60/557,741

PRIOR APPLICATION NUMBER: 60/557,741

PRIOR APPLICATION NUMBER: 60/557,741

PRIOR APPLICATION NUMBER: 60/557,741

SOFTWARE PARENT FILING DATE: 2004-03-29

NUMBER OF SEQ ID NOS: 41

SOFTWARE PARENT NOS: 41

SEQ ID NO 23

LENGTH: 108
 CURRENT FILING DATE: 2005-03-28
PRIOR APPLICATION WUMBER: 60/557,741
PRIOR FILING DATE: 2004-03-29
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin version 3.2
LENGTH: 10
 Best Local Similarity 87.5
Matches 7; Conservative
 Query Match
Best Local Similarity 87.5
Matches 7; Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-093-274-23
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-093-274-17
 TYPE: PRT
ORGANISM: Homo sapiens
 |||:||||
89 QQRNNWPP 96
 1 QQRSNWPP 8
 1 QQRNNWPP 8
 1 QORSNWPP 8
 US-11-093-274-23
 US-11-054-669-86
 Query Match
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 86.0%; Score 43; DB 7; Length 251; 100.0%; Pred. No. 0.24; O: Indels ative 0; Mismatches 0; Indels
 DB 7; Length 108;
 Query Match

80.0%; Score 40; DB 7; Length 10;
Best Local Similarity 75.0%; Pred. No. 0.049;
Matches 6; Conservative 1; Mismatches 1; Indels
 1; Indels
 US-11-033-274-16

US-11-033-274-16

Sequence 16, Application US/11093274

Publication No. US20050266008A1

GENERAL INFORMATION:

APPLICANT: Gradano, Robert

APPLICANT: Kempe, Thomas

APPLICANT: Cutter, Beth

APPLICANT: Cutter, Beth

TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES

FILE REFERENCE: 04280/1201101-US1

CURRENT APPLICATION NUMBER: US/11/093,274

CURRENT FILING DATE: 2005-03-28

PRIOR PILING DATE: 2004-03-29

NUMBER OF SEG ID NOS: 41

SOFTWARE: Patentin version 3.2

SEG ID NO 16
 Sequence 22, Application US/11093274
; Sequence 22, Application US/11093274
; Publication No. US20050266008A1
; GENERAL INFORMATION.
; APPLICANT: Cardarelli, Josephine M.
; APPLICANT: Rempe, Thomas
APPLICANT: Rempe, Thomas
; APPLICANT: Stinivasan, Mohan
; TILLE OF INVENTION: IRTL> 5 AVTIBODIES AND THEIR USES
; FILE REFERENCE: 04280/1201101-US1
; CURRENT APPLICATION NUMBER: US/11/093,274
; CURRENT FILING DATE: 2005-03-28
; PRIOR APPLICATION NUMBER: 6/557,741
; PRIOR APPLICATION NUMBER: 6/557,741
; SEQ ID NO 2:
; SEQ ID NO 2:
; LENGTH: 108
; TYPE: PRI HOMO Sapiens
; ORGANTSM: Homo sapiens
US-11-093-274-22
 Query Match

80.0%; Score 40; DB 7

Best Local Similarity 75.0%; Pred. No. 0.4;

Matches 6; Conservative 1; Mismatches
 Query Match 86.0
Best Local Similarity 100.
Matches 7; Conservative
; ORGANISM: Homo sapiens
US-11-054-515-1049
 ORGANISM: Homo sapiens
 231 QQRSNWP 237
 1 QORSNWPP 8
 1 QORSNWP 7
 1 OOLNNWPP
 US-11-093-274-16
 TYPE: PRT
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 JULIATION OF US2005025532A1

Sequence 1049, Application US/11054515

Publication No. US2005025532A1

GENERAL INFORMATION:

APPELICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REPRENEUR: PF823P3

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT PILING DATE: 2005-02-10

PRIOR APPLICATION NUMBER: 60/543,296

PRIOR APPLICATION NUMBER: 60/543,296

PRIOR FILING DATE: 2004-02-11

PRIOR FILING DATE: 2004-06-18

PRIOR PILING DATE: 2001-11-14

PRIOR PILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 60/331,469

PRIOR FILING DATE: 2001-11-16

PRIOR PILING DATE: 2001-11-17

PRIOR PILING DATE: 2001-11-17

PRIOR PILING DATE: 2001-01-25

PRIOR FILING DATE: 2001-01-25

PRIOR PILING DATE: 2001-06-15

PRIOR PILING DATE: 2001-06-15

PRIOR PILING DATE: 2001-06-15

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2000-010-17

PRIOR PILING DATE: 2000-03-16

 Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1049
LENGTH: 251
TYPE: PRI
 ö
 86.0%; Score 43; DB 6; Length 129; 100.0%; Pred. No. 0.14; 1.1ve 0; Mismatches 0; Indels
 Sequence 19, Application US/10721763
FUBLICATION NO. US20050249729A1
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
TITLE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REFERENCE: PH-1573-PCT
CURRENT APPLICATION UNDHER: US/10/721,763
CURRENT FILING DATE: 2001-05-18
FRIOR FILING DATE: 2001-05-18
FRIOR FILING DATE: 2001-06-09
FRIOR FILING DATE: 2001-08-09
FRIOR FILING DATE: 2001-011
 Query Match 86.0 Best Local Similarity 100. Matches 7; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 109 OORSNWP 115
 109 QORSNWP 115
 1 QORSNWP 7
 1 QORSNWP 7
 US-11-054-515-1049
 US-10-721-763-19
 US-10-721-763-19
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 DB 6; Length 129;
 Length 94;
 Length 95;
 0; Indels
 0; Indels
 0; Indels
 GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Kempe, Thomas
APPLICANT: Stinivasan, Mohan
TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-U51
CURRENT APPLICATION NUMBER: U5/11/093,274
CURRENT FILING DATE: 2005-03-28
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR FILING DATE: 2004-03-29
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PATENTIN VERSION 3.2
SOFTWARE: PATENTIN VERSION 3.2
SOFTWARE: 040-03-29
TANGEN OF SEQ ID NOS: 41
 Sequence 87, Application US/11054669
Sequence 87, Application US/11054669
Publication No. US2050261480A1
GENERAL INFORMATION:
TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
FILE REPRENCE: 30219/US/3
CURRENT APPLICATION NUMBER: US/11/054,669
CURRENT FILING DATE: 2005-02-08
PRIOR FILING DATE: 2002-07-12
PRIOR APPLICATION WUMBER: US 60/305,111
PRIOR PILING DATE: 2010-07-12
NUMBER OF SEQ ID NOS: 124
SEQ ID NO 87
LENGTH: 95
 72.0%; Score 36; DB 7;
100.0%; Pred. No. 1.9;
vative 0; Mismatches (
 Query Match 72.0%; Score 36; DB 7;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 6; Conservative 0; Mismatches (
 Score 38; DB 6
Pred. No. 1.1;
1; Mismatches
 US-11-093-274-33; Application US/11093274; Publication No. US20050266008A1
 76.0%;
85.7%;
 Query Match 76.0
Best Local Similarity 85.7
Matches 6; Conservative
 6; Conservative
; ORGANISM: Homo sapiens
US-10-721-763-23
 TYPE: PRT
ORGANISM: Homo sapiens
 ORGANISM: Homo sapiens
US-11-054-669-87
 109 QQRSDWP 115
 1 QORSNWP 7
 Query Match
Best Local Similarity
 89 QQRSNW 94
 1 QORSNW 6
 1 OORSNW 6
 US-11-093-274-33
 TYPE: PRT
 Matches
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 Sequence 1236, Application US/11054515
Publication No. US200502553241
Fubblication No. US200502553241
Fubblication No. US200502553241
Fubblication No. US200502553241
Fubblication No. US20050253241
FIFE REPREBACE: PF52373
CURRENT APPLICATION: Antibodies that Immunospecifically Bind BLyS
FILE REPREBRES: FF52373
CURRENT APPLICATION NUMBER: 60/543,296
FRIOR PRIOR PELING DATE: 2004-02-10
FRIOR FILING DATE: 2004-02-11
FRIOR PELING DATE: 2004-02-11-16
FRIOR PELING DATE: 2001-11-16
FRIOR PELING DATE: 2001-11-16
FRIOR APPLICATION NUMBER: 60/331,469
FRIOR APPLICATION NUMBER: 60/331,469
FRIOR PELING DATE: 2001-11-16
FRIOR PELING DATE: 2001-06-15
FRIOR PELING DATE: 2001-06-15
FRIOR PELING DATE: 2001-06-25
FRIOR PELING DATE: 2001-06-25
FRIOR PELING DATE: 2001-03-21
FRIOR FILING DATE: 2001-03-21
FRIOR PELING DATE: 2001-03-21
FRIOR PELING DATE: 2001-03-21
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FRIOR FILING DATE: 2001-03-21
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 DB 7; Length 251;
 1; Indels
 Score 40; DB 7;
Pred. No. 0.85;
1; Mismatches
 RESULT 15
US-10-721-763-23
i Sequence 23, Application US/10721763
i Publication No. US20050249729A1
i GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
ITILE OF INVENTION: ANTI TRAIL-R. ANTIBODY
FILE REFERENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT APPLICATION NUMBER: US2001-150213
PRIOR FILING DATE: 2001-05-18
i PRIOR FILING DATE: 2001-06-09
i PRIOR FILING DATE: 2001-08-09
i NUMBER OF SEQ ID NOS: 45
i SEQTWARE: Patentin Ver: 2.1
 80.0%;
 Query Match
Best Local Similarity 75.0
Matches 6; Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1238
 231 QQYNNWPP 238
 89 QQLNNWPP 96
1 QORSNWPP 8
 1 QORSNWPP 8
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Sequence 137, Application US/10821234

Sequence 137, Application US/10821234

Publication No. US20050255114A1

GENERAL INFORMATION:
APPLICANT: Labat, Ivan
APPLICANT: Alabat, Ivan
APPLICANT: Andarmani, Susan
CURRENT FILING DATE: 2004-04-07
PRIOR APPLICATION NUMBER: US 60/462,047
PRIOR PILING DATE: 2003-04-07
NUMBER: OF SEQ ID NOS: 1704
SOFTWARE: DE SEQ Genes Version 1.0
SEQ ID NO 1379
LENGTH: 347
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 Score 34; DB 6; Length 347; Pred. No. 14; 0; Indels 3; Mismatches 0; Indels
 1; Indels
 Score 34; DB 6; Length 9; Pred. No. 3.9e+04; 1; Mismatches 1; Indels
 Sequence 84, Application US/11054669
| Sequence 84, Application US/20505051480A1
| Sublication No. US2005051480A1
| GENERAL INFORMATION:
| APPLICANT: FOOLE, JOÉFERSON
| TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
| FILE REFERENCE: 30219/US/3
| CURRENT APPLICATION NUMBER: US/11/054,669
| PRIOR PLING DATE: 2005-02-08
| PRIOR APPLICATION NUMBER: US 10/194,975
| PRIOR APPLICATION NUMBER: US 60/305,111
| PRIOR PELING DATE: 2002-07-12
| RIOR PELING DATE: 2002-07-12
| NUMBER OF SEQ ID NOS: 124
| SOFTWARE: Patentin version 3.3
| SEQ ID NO 84
| LENGTH: 95
 ; OTHER INFORMATION: Artificial CDR3 Sequence US-10-925-366A-45
 Query Match
Best Local Similarity 57.1%;
Matches 4; Conservative
 SOFTWARE: Patentin version 3.3 SEQ ID NO 45 LENGTH: 9
 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
 Query Match
Best Local Similarity 71.4%;
Matches 5; Conservative
NUMBER OF SEQ ID NOS: 368
 CRGANISM: Homo sapiens
US-10-821-234-1379
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-669-84
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131 RQNNWPP 137
 2 QRSNWPP 8
 1 QORSNWP 7
 1 OORARWP 7
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 GENERAL INFORMATION:
APPLICANT: IGNATION:
APPLICANT: Dewildt, Rudolph M.T.
APPLICANT: Dewildt, Rudolph M.T.
APPLICANT: Beneral, Steven
APPLICANT: Grant, Steven
APPLICANT: Onnes, Philip
APPLICANT: Barran, Amrik
APPLICANT: Boresis, Neil
APPLICANT: APPLICATION NUMBER: US,10/925,366A
CURRENT APPLICATION NUMBER: US,10/925,366A
CURRENT APPLICATION NUMBER: PCT/GB2003/002804
PRIOR APPLICATION NUMBER: PCT/GB2003/002804
PRIOR PLING DATE: 2003-06-30
PRIOR PLING DATE: 2003-06-30
PRIOR PLING DATE: 2002-06-28
PRIOR PLING DATE: 2004-06-28
PRIOR PLING DATE: 2004-01-08
PRIOR PLING DATE: 2003-12-24
PRIOR PLING DATE: 2003-12-24
PRIOR PLING DATE: 2003-12-24
PRIOR PLING DATE: 2003-12-24
PRIOR PLING DATE: 2003-12-24
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PRIOR PLING DATE: 2003-12-24
PRIOR PLING DATE: 2003-12-24
PRIOR PRIOR PLING DATE: 2003-10-08
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 Sequence 131, Application US/11084554
; Bedication No. US20050260679A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INTORNATION:
GENERAL BATELICANT: Kellermann, Sirid-Ai
APPLICANT: Korver, Wouter
TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
FILE REFERENCE: ABGENIX 100A
FILE REFERENCE: ABGENIX 100A
FILE REPLICATION NUMBER: 60/554,372
PRIOR APPLICATION NUMBER: 60/554,372
PRIOR APPLICATION NUMBER: 60/574,661
PRIOR APPLICATION NUMBER: 60/574,661
FRIOR APPLICATION NUMBER: 60/574,661
FRIOR FILING DATE: 2004-06-24
; NUMBER OF SEQ ID NOS: 266
; SEQ ID NO 131
LENGTH: 95
 72.0%; Score 36; DB 7; Length 95; 100.0%; Pred. No. 1.9; cive 0; Mismatches 0; Indels
 US-10-925-366A-45
; Sequence 45, Application US/10925366A
; Publication No. US20050271663A1
 6; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 Query Match
Best Local Similarity
Matches 6; Conserv
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89 QQRSNW 94
 89 QORSNW 94
 1 QQRSNW 6
 US-11-084-554-131
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1268
 89 QYNNWP 95
 1 QQRSNWP 7
 US-11-084-554-130
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 Gaps
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 Sequence 127, Application US/11084554
; Publication No. US2050260679A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Green, Larry L.
; APPLICANT: Green, Larry L.
; APPLICANT: Kellermann, Sirid-Ai
; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FRIOR REPLICATION NUMBER: 05/554,372
; PRIOR FILING DATE: 2004-03-19
; PRIOR FILING DATE: 2004-03-19
; PRIOR FILING DATE: 2004-05-24
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FASELSEQ for Windows Version 4.0
; SEQ ID NO 127
; LENGTH: 95
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 .;
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0
 66.0%; Score 33; DB 7; Length 95; 71.4%; Pred. No. 6.5; 1; Indels ive 1; Mismatches 1; Indels
 Query Match 66.0%; Score 33; DB 7; Length 95; Best Local Similarity 71.4%; Pred. No. 6.5; Matches 5; Conservative 1; Mismatches 1; Indels
 66.0%; Score 33; DB 7; Length 95; 71.4%; Pred. No. 6.5;
 Indels
 Sequence 85, Application US/11054669
Fublication No. US20050261480A1
GENERAL INFORMATION:
APPLICANT: FOOTE, Jefferson
TITLE OF INVENTION: SUPER HUMANIZED ANTIBODIES
FILE REFERENCE: 30219/US/3
CURRENT FILING DATE: 2005-02-08
FRIOR APPLICATION NUMBER: US 10/194,975
FRIOR APPLICATION NUMBER: US 60/305,111
FRIOR APPLICATION NUMBER: US 60/305,111
FRIOR APPLICATION NUMBER: US 60/305,111
FRIOR APPLICATION NUMBER: 2010-07-12
NUMBER OF SEQ ID NOS: 124
SOFTWARE: PatentIn version 3.3
SEQ ID NO 85
LENGTH: 95
 1; Mismatches
 Query Match
Best Local Similarity 71.4°
Query Match
Best Local Similarity 71.4
Matches 5; Conservative
 ; TYPE: PRT
; OKGANISM: Homo sapiens
US-11-054-669-85
 TYPE: PRT
ORGANISM: Homo sapiens
US-11-084-554-127
 89 QYNNWP 95
 |||: ||
89 QWNNYQQ 88
 |||:||
89 QYNNWP 95
 1 QORSNWP 7
 1 QORSNWP 7
 1 QORSNWP 7
 RESULT 22
US-11-054-669-85
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165-11-064-554-130
169-11-064-554-130
169-11-064-554-130
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169-11-064-554-130
169-11-064-554-130
169-11-064-554
169-11-064-554
17-11-064-59-
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US-10-502-972-4
US-10-502-972-4
Sequence 4, Application US/10502972
Publication No US20050255573A1
GENERAL INFORMATION:
APPLICANT: Chambers, Ian
APPLICANT: Chambers, Ian
APPLICANT: Smith, Austin G.
TITLE OF INVENTION: Pluipotency determining factors and uses thereof
TILE REFERENCE: 2235.0020000/RWE/RAS
CURRENT APPLICATION WNDER: US/10/502,972
CURRENT PILING DATE: 2044-07-30
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentin version 3.3
SEQ ID NO 4
LENGTH: 305
 Sequence 17, Application US/11050440

Publication No. US2005055530A1

GENERAL INFORMATION:

APPLICANT: REFER, CAROL L.

APPLICANT: BISCHOFF, STEVEN R.

APPLICANT: BISCHOFF, STEVEN R.

TITLE OF INVENTION: IDENTIFICATION AND ISOLATION OF PLURIPOTENCY;

TITLE OF INVENTION: DETERMINING FACTORS

FILE REFERENCE: 0108172.00116

CURRENT APPLICATION NUMBER: 00/11/050,440

CURRENT FILING DATE: 2004-02-04

PRIOR APPLICATION NUMBER: 60/542,498

PRIOR APPLICATION NUMBER: 60/542,498

NUMBER OF SEQ ID NOS: 18

SOFTWARE: Patentin Ver. 3.3

TYBEL BENOTH: 223

TYBEL BENOTH: 223
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Similarity 62.5%; Pred. No. 22,
5; Conservative 1; Mismatches 2: Indole
 64.0%; Score 32; DB 7; Length 223; 66.7%; Pred. No. 21; ive 2; Mismatches 0; Indels
 PRIOR FILING DATE: 2002-08-30
PRIOR APPLICATION NUMBER: JP 2000-308526
PRIOR FILING DATE: 2000-10-06
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 73
SOFTWARE: Patentin Ver. 2.1
LENGTH: 372
PRIOR APPLICATION NUMBER: US/09/971,773
 ; TYPE: PRT
; ORGANISM: Cricetulus griseus
US-11-131-212-71
 ORGANISM: Homo sapiens
US-11-050-440-17
 TYPE: PRT
CRGANISM: Homo sapiens
US-10-502-972-4
 340 QOKLINWKP 347
 1 QORSNWPP 8
 Query Match
Best Local Similarity
Matches 5; Conserv
 89 QKNINWP 94
 2 QRSNWP 7
 RESULT 28
US-11-050-440-17
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 US-11-054-515-1952

US-11-054-515-1952

US-211-054-515-1952

US-211-054-515-1952

EDBLication No. US2005025532A1

GENERAL INFORMATION:

TILLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

TILLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

CURRENT APPLICATION NUMBER: 60/543,296

PRIOR PELING DATE: 2004-02-11

PRIOR PELING DATE: 2004-06-18

PRIOR PELING DATE: 2004-06-18

PRIOR PELING DATE: 2002-11-14

PRIOR PELING DATE: 2001-11-16

PRIOR APPLICATION NUMBER: 60/331,469

PRIOR PELING DATE: 2001-11-16

PRIOR APPLICATION NUMBER: 60/334,89

PRIOR PELING DATE: 2001-06-18

PRIOR PELING DATE: 2
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 66.0%; Score 33; DB 7; Length 246; 71.4%; Pred. No. 15;
 66.0%; Score 33; DB 7; Length 250; 71.4%; Pred. No. 15;
 1; Indels
 TITLE OF INVENTION: ANTIBODY COMPOSITION-PRODUCING CELL FILE REFERENCE: 249-202
CURRENT APPLICATION NUMBER: US/11/131,212
CURRENT FILING DATE: 2005-05-18
 1; Mismatches
 1; Mismatches
 Sequence 71. Application US/11131212
Publication No. US20050262593A1
GENERAL INFORMATION:
APPLICANT: Witsuo SATOH
APPLICANT: Mitsuo SATOH
APPLICANT: Kazuyasu NAKAWIRA
APPLICANT: Kazuyasu UKHLDA
APPLICANT: Toyohide SHINKAWA
APPLICANT: Toyohide SHINKAWA
APPLICANT: Mocko YAWANE
APPLICANT: Nobuo HANAI
 Query Match
Best Local Similarity 71.4
Shea S; Conservative
 Best Local Similarity 71.4
Matches 5; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 231 QQYNNWP 237
 227 QQYNNWP 233
 1 QORSNWP 7
 1 QORSNWP 7
 JS-11-054-515-1952
 RESULT 27
US-11-131-212-71
 Query Match
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-108-172-1095
 Query Match
Best Local Similarity
 153 QRSRWDP 159
 2 QRSNWPP 8
 Matches
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 Sequence 94, Application US/10508263
Publication No. US20050260754A1
GENERAL INFORMATION NO. US20050260754A1
GENERAL INFORMATION NO. US20050260754A1
TITLE OF INVENTION: Constructs and methods for regulating gene expression FILE REPERENCE: 52362-20085.00
CURRENT APPLICATION NUMBER: US/10/508,263
NUMBER OF SEQ ID NOS: 126
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 94
 APPLICANT: Labat, Ivan
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Stache-Crain, Susan
APPLICANT: Andarmani, Susan
APPLICANT: Tang, Y. Tom
TILE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
PRIOR APPLICATION NUMBER: US 60/462,047
PRIOR APPLICATION NUMBER: US 60/462,047
NUMBER OF SEQ ID NOS: 1704
SEQ ID NO 1357
LENGTH: 405
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 64.0%; Score 32; DB 6; Length 305; 66.7%; Pred. No. 28; ive 2; Mismatches 0; Indels
 62.0%; Score 31; DB 6; Length 405;
57.1%; Pred. No. 54;
ive 1; Mismatches 2; Indels
 62.0%; Score 31; DB 6; Length 499; 37.5%; Pred. No. 65; ive 3; Mismatches 2; Indels
 Sequence 1357, Application US/10821234 Publication No. US20050255114A1 GENERAL INFORMATION:
 ; Sequence 1095, Application US/11108172; Publication No. US20050260177A1
 TYPE: PRT; ORGANISM: Arabidopsis thaliana US-10-508-263-94
Query Match
Best Local Similarity 66.7
Matches 4; Conservative
 Query Match
Best Local Similarity 37.5
Matches 3; Conservative
 Best Local Similarity 57.1
Matches 4; Conservative
 TYPE: PRT
ORGANISM: Homo sapiens
 ::: |||
464 EEKKRWPP 471
 259 RRGOWPP 265
 |::|||
154 QKNNWP 159
 1 QORSNWPP 8
 2 QRSNWPP 8
 2 QRSNWP 7
 RESULT 32
US-11-108-172-1095
 US-10-821-234-1357
 US-10-821-234-1357
 US-10-508-263-94
 Query Match
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Sequence 4, Application US/11050440 Publication No. US2005025530A1 GENERAL INFORMATION:
 TYPE: PRT
ORGANISM: Capra hircus
 228 QGTHWPP 234
 ORGANISM: Artificial
 2 ORSNWPP 8
 89 QENNWP 94
 FEATURE:
NAME/KEY: MOD RES
 2 QRSNWP 7
 US-11-050-440-4
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 Sequence 18, Application US/11050440
| Publication No. US2005025530A1
| GENERAL INFORMATION
| APPLICANT: KEFFER, CAROL L.
| APPLICANT: BISCHOFF, STEVEN R.
| TITLE OF INVENTION: IDETERMINING FACTORS
| TITLE OF INVENTION: DETERMINING FACTORS
| FILE REFREENCE: 0.008172.00.16
| CURRENT APPLICATION NUMBER: US/11/050,440
| CURRENT FILING DATE: 2005-02-04
| PRIOR FILING DATE: 2004-02-06
| NUMBER OF SEQ ID NOS: 18
| SSOPIN REPRESE PARCENTIN OF SEQ ID NOS: 18
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| SSOPIN REPRESE PARCENTIN OF SEQ ID NO 18
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 60.0%; Score 30; DB 7; Length 223; 66.7%; Pred. No. 48; ive 1; Mismatches 1; Indels
 60.0%; Score 30; DB 6; Length 108; 71.4%; Pred. No. 25; ive 0; Mismatches 2; Indels
CURRENT APPLICATION NUMBER: US/10/925,366A
CURRENT FILING DATE: 2004-08-24
PRIOR APPLICATION NUMBER: US 10/744,774
PRIOR APPLICATION NUMBER: US 10/744,774
PRIOR APPLICATION NUMBER: PCT/GB2003/00-30
PRIOR APPLICATION NUMBER: PCT/GB2002/03014
PRIOR APPLICATION NUMBER: PCT/GB2002/03014
PRIOR FILING DATE: 2003-06-29
PRIOR FILING DATE: 2000-16-29
PRIOR FILING DATE: 2001-06-29
PRIOR PLICNG DATE: 2001-06-30
PRIOR APPLICATION NUMBER: GB 115841.9
PRIOR APPLICATION NUMBER: GB 0330202.4
PRIOR APPLICATION NUMBER: GB 0330706.6
PRIOR PLILING DATE: 2004-06-30
PRIOR PLILING DATE: 2004-01-08
PRIOR PLILING DATE: 2003-11-28
PRIOR PLILING DATE: 2003-11-28
PRIOR APPLICATION NUMBER: GB 0327706.8
PRIOR PLILING DATE: 2003-11-28
PRIOR APPLICATION NUMBER: GB 0327706.8
PRIOR PLILING DATE: 2003-11-28
PRIOR PLILING DATE: 2003-11-28
PRIOR PLILING DATE: 2003-11-28
PRIOR FILING DATE: 2003-11-38
 OTHER INFORMATION: Synthetic Antibody Domain
 TYPE: PRT
ORGANISM: Artificial Sequence
 Best Local Similarity 71.4
Matches 5; Conservative
 4; Conservative
 TYPE: PRT ORGANISM: Capra hircus
 89 QÖRWRWP 95
 1 QORSNWP 7
 Query Match
Best Local Similarity
Matches 4; Conserv
 89 QENNWP 94
 2 QRSNWP 7
 US-10-925-366A-97
 US-11-050-440-18
 US-11-050-440-18
 Query Match
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Sequence 7, Application US/11056825
Fublication No. US20050255109A1
Sequence 7, Application US/11056825
Fublication No. US20050255109A1
GENERAL INFORMATION:
APPLICANT: Seaven, Alan
APPLICANT: Saven, Alan
TILE REFERENCE: SCRP-0042
CURRENT APPLICATION WINBER: US/11/056,825
CURRENT APPLICATION NUMBER: US 60/626,726
FILE REPLING DATE: 2004-02-11
FRIOR FILING DATE: 2004-11-10
FRIOR PRIOR PILING DATE: 2004-12-13
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.3
SEQ ID NO 7
LENGTH: 259
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APPLICANT: KEEFER, CAROL L.
APPLICANT: RESERVE, STEVEN R.
APPLICANT: BISCHOFF, STEVEN R.
APPLICANT: HF, SHUYANG
TITLE OF INVENTION: IDENTIFICATION AND ISOLATION OF PLURIPOTENCY
TITLE OF INVENTION: DEFERMINING FACTORS
FILE REFREENCE: 0108172.0011
CURRENT APPLICATION NUMBER: US/11/050,440
CURRENT APLICATION NUMBER: 60/542,498
PRIOR FILING DATE: 2004-02-06
NUMBER OF SEQ ID NOS: 18
SOGTWARE: PATENTIN VET. 3.3
SEQ ID NO 4
LENGTH: 224
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 Query Match 60.0%; Score 30; DB 7; Length 224; Best Local Similarity 66.7%; Pred. No. 48; Matches 1; Indels Matches 1; Indels
 Query Match 60.0%; Score 30; DB 7; Length 259; Best Local Similarity 57.1%; Pred. No. 55; Matches 4; Conservative 2; Mismatches 1; Indel8
 OTHER INFORMATION: Variable amino acid
 OTHER INFORMATION: Synthetic Construct US-11-056-825-7
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RESULT 37

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Query Match
Best Local Similarity 62.5%;
Matches 5; Conservative
 4; Conservative
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-989
 TYPE: PRT
ORGANISM: Homo sapiens
 | ::[||
1127 QGASWPP 1133
 191 QQASSWVP 198
 Best Local Similarity
Matches 4; Conserva
 1 QQRSNWPP 8
 2 QRSNWPP 8
 LENGTH: 413
 US-10-509-422-5
 Query Match
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Sequence 2, Application US/11056825;
Publication No. US20050255109A1;
GENERAL INFORMATION:
APPLICANT: Felding-Habermann, Brunhilde
APPLICANT: Felding-Habermann, Brunhilde
APPLICANT: Ganda, Kim D.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION OF METASTASIS
FILE REFERENCE: SCRP-0042
CURRENT APPLICATION NUMBER: US/11/056,825
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: US 60/544,807
PRIOR FILING DATE: 2004-11-10
PRIOR APPLICATION NUMBER: US 60/544,807
PRIOR FILING DATE: 2004-13
NUMBER OF SEQ ID NOS: 13
SEQ ID NO 2: SEQ ID NOS: 13
SEQ ID NO 2: LENGTH: 261
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 60.0%; Score 30; DB 6; Length 296;
66.7%; Pred. No. 62;
tive 1; Mismatches 1; Indels
 Sequence 58, Application US/10510386

Publication No. US20050244922A1

GENERAL INFORMATION:
APPLICANT: Andersen, Jens Tonne
APPLICANT: Clausen, Ib Groth
APPLICANT: Clausen, Steen Troels
APPLICANT: Glasen, Peter Bjarke
APPLICANT: Rasmussen, Michael Dolberg
FILE REFERENCE: 10294.204-US
FILE REFERENCE: 10294.204-US
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 248
SEQ ID NO 58
LENGTH: 296
 , OTHER INFORMATION: Synthetic Construct US-11-056-825-2
 Sequence 989, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Andarmani, Susan
 ORGANISM: Bacillus licheniformis US-10-510-386-58
 Query Match
Best Local Similarity 66.7-
 | ::|||
228 QGTHWPP 234
 :| |||
271 RRKNWP 276
 ORGANISM: Artificial
 2 ORSNWPP 8
 2 QRSNWP 7
 US-10-821-234-989
 RESULT 38
US-10-510-386-58
 TYPE: PRT
 TYPE: PRT
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Ig kappa chain V r Ig kappa chain V r Ig kappa chain pre Ig kappa chain pre cell-cycle protein proline-rich protein 174K ninac protein hypothetical prote Ig kappa chain (an Ig kappa chain (an Ig kappa chain - hymembrane-bound imm

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 .; Search time 8.68966 Seconds (without alignments) 88.581 Million cell updates/sec
 Description
 GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
 Total number of hits satisfying chosen parameters:
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 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
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 December 14, 2005,
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seq length: 200000000
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Match Length
 QORSNWPP 8
 PIR_80:*
!: pir1:*
!: pir2:*
!: pir3:*
 Perfect score:
 Scoring table:
 Score
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 Minimum DB
Maximum DB
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 Sequence:
 Searched:
 Database
 Run on:
 Result
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ribosomal protein secretory carrier hypothetical prote phosphoinosatide 3 unconventional wy 1g kappa chain V-1 1g kappa chain N-1 1g kappa chain N-1 1g kappa chain N-1 1g kappa chain V-1 1g kappa chain V

DNA-binding protein hypochetical protein DNA-directed DNA p DNA-directed DNA p Cryptic nitrate re probable RAD50 DNA probable RAD50 DNA probable membrane probable serine/th

somatotropin recep prolactin receptor genome polyprotein DNA-binding protei merD protein - Yer anti-glycoprotein probable HIT famil Ig Kappa dhain - h protein kinase C i protein kinase C i

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C;Accession: G44151
R;Zebedee, S.L.; Barbas III, C.F.; Hom, Y.L.; Caothien, R.H.; Graff, R.; DeGraw, J.; Pya Proc. Natl. Acad. Sci. U.S.A. 89, 3175-3179, 1992
A;Title: Human combinatorial antibody libraries to hepatitis B surface antigen.
A;Reference number: A44151; MUID:92228746; PMID:1373487
 A;Residues: 1-108 <ZEB>
A;Cross-references: UNIPARC:UP100001139AC; GB:M88317; NID:g183968; PIDN:AAA35975.1; PID:
 C)Accession: S54905
R;Esposito, G.; Traboni, C.
Bubmitted to the EMBL Data Library, November 1994
A;Description: Cloning and sequencing of cDNA coding for the variable domains of a human A;Reference number: S54905
 A;Cross-references: UNIPARC:UPI000011620A; EMBL:X82934; NID:g809554; PIDN:CAA58108.1; PI C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin F;16-90/Domain: immunoglobulin homology <IMM>
 Ig Kappa chain V-J-C region - human
C;Species: Homo sapiens (man)
C;Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
 C;Species: Homo sapiens (man)
C;Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 21-Jan-2000
 C;Species: Homo sapiens (man)
C;Date: 08-Jul-1995 #sequence_revision 21-Jul-1995 #text_change 21-Jan-2000
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 Length 114;
 Length 108;
 Length 107;
 A,Status: preliminary; not compared with conceptual translation A,Molecule type: mRNA
 A;Note: nucleotide translation not given
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heteroterramer; immunoglobulin
F;15-89/Domain: immunoglobulin homology <1MM>
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 100.0%; Score 50; DB 2; ilarity 100.0%; Pred. No. 0.058; Conservative 0; Mismatches 0
 Query Match 100.0%; Score 50; DB 2; Best Local Similarity 100.0%; Pred. No. 0.058; Matches 8; Conservative 0; Mismatches 0
 100.0%; Score 50; DB 2; illarity 100.0%; Pred. No. 0.061; Conservative 0; Mismatches '
 Ig kappa chain V region (JM-10) - human (fragment)
7;16-90/Domain: immunoglobulin homology <IMM>
 Ig kappa chain V region - human (fragment)
 96
 OORSNWPP 95
 Query Match
Best Local Similarity
---- 8; Conserve
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89 QORSNWPP 96
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 Query Match
Best Local Similarity
Matches 8; Conserv
 A;Molecule type: mRNA
A;Residues: 1-114 <ESP>
 89 QORSNWPP
 1 QORSNWPP
 1 QQRSNWPP
 A;Status: preliminary
 A; Accession: S54905
 A, Accession: G44151
 RESULT 6
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 S37516
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S37516
Ig kappa chain V region (V-kappa 3) - human (fragment)
Ig kappa chain V region (V-kappa 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: S37516
A;Reisin, U; Kueppers, R.; Rajewsky, K.
Submitted to the EMBL Data Library, September 1993
A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood
A;Reference number: S37516
A;Reference number: S37516
A;Residues: 1-92 < KLE>
A;Residues: 1-92 < KLE>
A;Residues: 1-92 < KLE>
C;Superfamily: Immunoglobulin V region; immunoglobulin homology
C;Reywords: heterotetramer; immunoglobulin
 S57444
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S57444
Grappa chain V-J region - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 10-Oct-1995 #sequence_revision 17-Nov-1995 #text_change 21-Jan-2000
C;Accession: S5744
Submitted to the EMBL Data Library, P.G.E.; Willison, H.J.
Submitted to the EMBL Data Library, June 1995
A;Description: Analysis of anti-GM1 ganglioside IgM antibodies cloned from motor neuropa
 A;Accession: S57444
A;Status: preliminary
A;Molecule type: mRNA
A;Molecule type: TOTO < PAT>
A;CCOSS-references: UNIPARC:UPI00001137AE; EMBL:X87898; NID:g871275; PIDN:CAA61149.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
 A;Gross-references: UNIPARC:UP1000116570; EMBL:Z26599; NID:g405666; PIDN:CAA81353.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
 C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
C;Accession: 837512
C;Accession: 837512
R;Klein, U; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood
A;Accession: §37501
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 100.0%; Score 50; DB 2; Length 92; 100.0%; Pred. No. 0.049; ive 0; Mismatches 0; Indels
 DB 2; Length 92;
 100.0%; Score 50; DB 2; Length 92
100.0%; Pred. No. 0.049;
ive 0; Mismatches 0; IndelB
 Ig kappa chain V region (V-kappa 3) - human (fragment)
 ALIGNMENTS
 Best Local Similarity 100.
Matches 8; Conservative
 8; Conservative
 |||||||||
72 QQRSNWPP 79
 72 QORSNWPP 79
 8
 1 QORSNWPP 8
 Best Local Similarity
Matches 8; Conserv
 A, Status: preliminary A, Molecule type: mRNA A, Residues: 1-92 < KLE>
 Query Match
 Query Match
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Ig kappa chain V region (V-kappa 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Accession: 337522
R;Klein, U.; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood A;Reference number: S37501
 A;Cross-references: UNIPARC:UD1000116586; EMBL:226622; NID:9405686; PIDN:CAA81375.1; PI C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin
 R.Olee, T.; Lu, E.W.; Huang, D.F.; Soto-Gil, R.W.; Deftos, M.; Kozin, F.; Carson, D.A.; J. Exp. Med. 175, 831-842, 1992
J. Exp. Med. 175, 831-842, 1992
A;Title: Genetic analysis of self-associating immunoglobulin G rheumatoid factors from t A;Reference number: $23623; MUID:92156804; PMID:1740665
A;Accession: $23628
A;Status: preliminary
 A;Cross-references: UNIPARC:UP10000115F96; EMBL:X59705; NID:g34022; PIDN:CAA42226.1; PID
C;Superfamily: immunoglobulin V region; immunoglobulin homology
 C;Ačcession: A01900
R;Pech, M.; Zachau, H.G.
Nucleic Acids Res. 12, 9229-9236, 1984
A;Title: Immunoglobulin genes of different subgroups are interdigitated within the V-K l A;Reference number: A93549; MUID:85087932; PMID:6440122
A;Accession: A01900
A;Molecule type: DNA
 Ig kappa chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 21-Jan-2000
C;Accession: S28628
 Species: Homo sapiens (man)
Date: 17-Mar-1987 #sequence revision 17-Mar-1987 #text_change 09-Jul-2004
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 Length 111;
 Length 92;
 Indels
 Indels
 DB 2;
 Score 43; DB 2;
Pred. No. 0.85;
 - human
 86.0%; Scc...
100.0%; Pred. No. ...
'... 0; Mismatches
 86.0%; Scor.
100.0%; Pred. No. 1,
.-. 0; Mismatches
 C; Keywords: heterotetramer; immunoglobulin F;16-90/Domain: immunoglobulin homology <IMM>
 Ig kappa chain precursor V-III region (Vg)
 Query Match
Best Local Similarity 100.00
Best Local Similarity 100.00
 80 QQRSNWP 86
 12 QQRSNWP 78
 1 QORSNWP 7
 1 QORSNWP 7
 A; Residues: 1-111 <OLE>
 A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-92 <KLE>
 OORSNWD
 A, Molecule type: DNA
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 RESULT 10
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 RESULT 7
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IQ kappa chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: 816834
R;Blaison, G: Kuntz, J.L.; Pasquali, J.L.
Eur. J. Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid fac
A;Reference number: 816823; MUID:91243737; PMID:1903706
A;Accession: 816834
A;Accession: 816834
A;Accession: Urper mRNA
A;Residues: 1-86 abla>
A;Residues: 1-86 abla>
A;Residues: 1-86 abla>
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
 Side316

Ig kappa chain V region - human (fragment)

C; Speciaes: Home sapiens (man)

C; Speciaes: Home sapiens (man)

C; Speciaes: Home sapiens (man)

C; Accession: Si6836

R; Blaison, G.; Kuntz, J.L.; Pasquali, J.L.

Eur. J. Immunol. 21, 1221-1227, 1991

A; Title: Molecular analysis of V(kappa) III variable regions of polyclonal rheumatoid factoression: Si6836

A; Reference number: Si6836

A; Reference number: Si6836

A; Reterence number: Immunoglobulin V region; immunoglobulin homology

C; Reywords: heterotetramer: immunoglobulin

F; 7-81/Domain: immunoglobulin homology < IMM>
C;Accession: S40345
R;Klein, R.; Jaenichen, R.; Zachau, H.G.
Bur. J. Immunol. 23, 3248-3271, 1993
A;Title: Expressed human immunoglobulin chi genes and their hypermutation.
A;Reference number: S40312; MUID:94080891; PMID:8258341
A;Accession: S40345
A;Accession: S40345
A;Accession: S40345
A;Accession: S40345
A;Accession: S40345
A;Accession: S40345
A;Accession: S40345
A;Accession: S40345
A;Accession: S40345
A;Accession: MNA
A;Residues: 1.128
A;Accession: MNA
A;Residues: NNIPARC:UPI000011615F; EMBL:X72455; NID:9441378; PIDN:CAA51123.1; PI
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin homology <IMM>
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 Length 128;
 86.0%; Score 43; DB 2; Length 86; 100.0%; Pred. No. 0.79;
 86.0%; Score 43; DB 2; Length 86; larity 100.0%; Pred. No. 0.79; Conservative 0; Mismatches 0; Indels
 0; Indels
 0; Indels
 100.0%; Score 50; DB 2;
100.0%; Pred. No. 0.069;
tive 0; Mismatches 0
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100.0%; Pre
 Query Match 100.
Best Local Similarity 100.
Matches 8; Conservative
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 105 QQRSNWPP 112
 Query Match
Best Local Similarity
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 1 QQRSNWPP 8
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80 OORSNWP 86
 Query Match
Best Local Similarity
Matches 7; Conserv
 1 QORSNWP 7
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80.0%; Score 40; DB 2; 85.7%; Pred. No. 2.9;
A; Cross-references: UNIPARC: UPI00001767A2
 109 QHRDNWPP 116
 109 QQRSNWP 115
 8
 1 QORSNWP 7
 A; Residues: 1-129 <WA2>
 Local Similarity
nes 6; Conserv
 Best Local Similarity
 1 QQRSNWPP
 A; Molecule type: mRNA
 A;Accession: S37506
 A; Introns: 17/1
 Query Match
Best Local S
Matches 6
 Query Match
 C, Genetics:
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 Ig Kappa chain precursor V-J-C region (LS1) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Accession: DL0106
R;Silberstein, L.E.; Litwin, S.; Carmack, C.E.
A;Tilberstein, L.E.; Litwin, S.; Carmack, C.E.
A;Title: Relationship of variable region genes expressed by a human B cell lymphoma secx
A;Reference number: PL0106; MUID:89235583; PMID:2541221
A;Residues: L-144 <SIL>
A;Residues: 1-144 <SIL>
 Ig kappa chain V region precursor (HuA) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 19-Oct-1995 #sequence_revision 19-Oct-1995 #text_change 21-Jan-2000
C;Accession: A56701
R;Nickerson, K.G.; Tao, M.H.; Chen, H.T.; Larrick, J.; Kabat, E.A.
A; Diol. Chem. 270, 12457-12465, 1995
A;Title: Human and mouse monoclonal antibodies to blood group A substance, which are nea A;Reference number: A56701; WUID:95279371; PMID:7759488
 A;Residues: 1-115 <PEC>
A;Coss-references: UNIPROT:P04433; UNIPARC:UPI0000116D05; GB:X01668; GB:K02768; NID:g33
A;Cross-references was determined from the germline gene
C;Genetics:
A;Gene: GDB:IGKV3
A;Gross-references: GDB:136266
A;Map position: 2p12-2p11
A;Introns: 17/1
 C,Complex: An immunoglobulin heterotetramer subunit consists of two identical light (kap hain disulfide bonds. In some cases, such as IgA and IgM, the subunits associate into la C,Superfamily: immunoglobulin v region; immunoglobulin homology C,Keywords: heterotetramer; immunoglobulin F;1-20/Domain: signal sequence #status predicted <SIG>F;21-115/Product: Ig kappa chain V-III region (Vg) #status predicted <MAT>
 A, Status: preliminary
A, Status: mRNA
A, Molecule type: mRNA
A, Residues: 1-128 *NIC>
A, Cross-references: UNIPARC: UPI0000113B26, GB: L41174; NID: 9762823; PIDN: AAA64877.1; PID:
C, Superfemanly: immunoglobulin v region; immunoglobulin homology
C, Keywords: heterotetramer; immunoglobulin
F;36-110/Domain: immunoglobulin homology <IMM>
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 86.0%; Score 43; DB 1; Length 115; 100.0%; Pred. No. 1.1; ive 0; Mismatches 0; Indels
 86.0%; Score 43; DB 2; Length 128; 100.0%; Pred. No. 1.2;
 Indels
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 100.0%; Pred.
 F;77-108/Region: framework 3
F;109-115/Region: complementarity-determining 3
F;43-108/Disulfide bonds: #status predicted
 F;21-43/Region: framework 1
F;36-110/Domain: immunoglobulin homology <IMM>
 F;44-54/Region: complementarity-determining 1
F;55-69/Region: framework 2
F;70-76/Region: complementarity-determining 2
 Local Similarity 100.
hes 7, Conservative
 7; Conservative
 109 QQRSNWP 115
 109 QQRSNWP 115
 1 QORSNWP 7
 1 QORSNWP 7
 Best Local Similarity
Matches 7; Conserv
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R,Walls, M.A.; Hsiao, K.; Harris, L.J.

Nucleic Acids Res. 21, 2921-2929, 1993

A;Title: Vectors for the expression of PCR-amplified immunoglobulin variable domains with A;Title: Vectors for the expression of PCR-amplified immunoglobulin variable domains with A;Acference number: $34110; MUID:93324379; PMID:8332501

A;Accession: $34110

A;Status; nucleic acid sequence not shown; translation not shown
 C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
C;Accession: S37506
R;Klein, U.; Kueppers, R.; Rajewsky, K.
submirted to the EMBL Data Library, September 1993
A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood
A;Reference number: S37501
 A,Status: preliminary
A,Molecule type: mRNA
A,Residues: 1-92 «KLE»
A,Cross-references: UNIPARC:UPI0000116576; EMBL:226606; NID:9405653; PIDN:CAA81359.1; PI:
C,Superfamily: immunoglobulin V region; immunoglobulin homology
C,Keywords: heterotetramer; immunoglobulin
 A. Cross-references: UNIPARC: UPI000011649A; EMBL: Z17330; NID: 938511; PIDN: CAA78978.1; PID
 A,Note: human sequences cloned and sequenced prior to expression in mouse myeloma cells A,Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1992
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 C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 21-Jan-2000
C;Accession: S34110; S29627
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C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin F;1-20/Domain: signal sequence #status predicted <SIG>
 C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Kaywords: heterotetramer; immunoglobulin F;36-110/Domain: immunoglobulin homology <IMM>
 Length 144;
 Length 129;
 Indels
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 Ig kappa chain V region (V-kappa 3) - human (fragment)
 82.0%; Score 41; DB 2;
ilarity 75.0%; Pred. No. 2.7;
Conservative 0; Mismatches
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 DB 2;
1.3;
 kappa chain V region (60.3 hybridoma) - human
 Query Match

86.0%; Score 43; DB

Best Local Similarity 100.0%; Pred. No. 1.3

Matches 7; Conservative 0; Mismatches
 F;21-115/Domain: V region <VRE>
F;31-115/Domain: V region <VRE>
F;36-110/Domain: i mmunoglobulin homology <IMM>
F;36-110/Domain: i mmunoglobulin homology <IMM>
F;44-54/Region: complementarity-determining 1
F;70-76/Region: complementarity-determining 2
F;109-115/Region: complementarity-determining 3
F;116-115/Domain: J region (Rragment) <CRE>
F;128-144/Domain: C region (Fragment)
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Length 92;

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A Cross-references: UNIPROT: P01605; UNIPARC:UP1000012E148
A;Note: the second and third hypervariable regions of this chain are identical with thos R;Goni, F.R.; Chen, P.P.; McGinnis, D.; Arjonilla, M.L.; Fernandez, J.; Carson, D.; Solc J. Immunol. 142, 3158-3163, 1989
A;Title: Structural and idiotypic characterization of the L chains of human IgM autoants A;Reference number: A30601; MUID:89215279; PMID:2496160
 A;Map position: 2p12-2p12

C.Complex: An immunoglobulin heterotetramer subunit consists of two identical light (kap

hain disulfide bonds. In some cases, such as IgA and IgM, the subunits associate into la

C;Superfamily: immunoglobulin V region; immunoglobulin homology

C;Keywords: heterotetramer; immunoglobulin

F;16-90/Domain: immunoglobulin homology <IMM>

F;23-88/Disulfide bonds: #status predicted
 C;Date: 24-Apr-1984 #sequence_revision 24-Apr-1984 #text_change 09-Jul-2004
C;Accession: Adug97
R;Klaper, D.G; Capra, J.D.
Ann. Immunol. (Inst. Pasteur) 127C, 261-271, 1976
A)Title: The amino acid sequence of the variable regions of the light chains from two id
A;Reference number: A01897
 A;Cross-references: GDB:136266
A;Map position: 2pi2-2pi1
C;Complex: An immunoglobulin heterotetramer subunit consists of two identical light (kap hain disulfide bonds. In some cases, such as IgA and IgM, the subunits associate into la C;Superfamily: immunoglobulin V region; immunoglobulin Nomology
 A;Cross-references: UNIPROT:P01624; UNIPARC:UP1000012E15F
C;Comment: This chain was isolated from an IgM with anti-gamma globulin activity.
 A;Cross-references: UNIPARC:UP1000113703
C;Comment: This chain was isolated from an IgM with anti-gamma globulin activity.
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 Ig kappa chain V region (V-kappa 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
 Species: Homo sapiens (man)
Date: 24-Apr-1984 #sequence_revision 24-Apr-1984 #text_change 09-Jul-2004
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 Length 108;
 Length 109;

 human (tentative sequence)

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 Indels
 DB 1;
 DB 1;
 Score 40; DB
Pred. No. 3.4;
1; Mismatches
 Score 40; DB :
Pred. No. 3.4;
 1; Mismatches
 C; Keywords: heterotetramer
F;16-91/Domain: immunoglobulin homology <IMM>
F;23-89/Disulfide bonds: #status predicted
 80.0%;
75.0%;
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 Query Match
Best Local Similarity 75.0%;
Matches 6; Conservative
 A; Cross-references: GDB:136264
 6; Conservative
 Ig kappa chain V-III region
 97
 A; Residues: 1-104 <GON>
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 A; Molecule type: protein A; Residues: 1-109 < KLA>
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 Query Match
Best Local Similarity
 A; Residues: 1-108 <CAP>
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 1 QORSNWPP
 1 QORSNWPP
 A; Accession: F30609
 A, Gene: GDB: IGKV1
 A, Gene: GDB: IGKV3
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 Genetics:
 C:Genetics:
 RESULT 20
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 RESULT 17
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19 Kappa chain V-III region (Les) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 29-Jun-1989 #sequence_revision 29-Jun-1989 #text_change 21-Jan-2000
C;Accession: 130608
R;Goni, F.R.; Chen, P.P.; McGinnis, D.; Arjonilla, M.L.; Fernandez, J.; Carson, D.; Solc R;Goni, F.R.; Chen, P.P.; McGinnis, D.; Arjonilla, M.L.; Fernandez, J.; Carson, D.; Solc A;Title: Structural and idiotypic characterization of the L chains of human IgM autoantianty
A;Reference number: A30601; MUID:89215279; PMID:2496160
A;Steaucus: preliminary
A;Molecule type: procein
A;Residues: 1-98 cGON>
A;Croserienily: immunoglobulin V region; immunoglobulin homology
C;Superfamily: immunoglobulin homology <IMM>
F;16-92/Domain: immunoglobulin homology <IMM>
 Ig Kappa chain V region (V-kappa 3) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #text_change 23-Jul-1999
C;Accession: S37523
R;Klein, U.; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A;Description: Human IgM(+)IgD(+) cells, the major B cell subset in the peripheral blood
A;Reference number: S37501
A;Reference number: S37501
A;Reference number: S37501
A;Reference number: S47503
A;Resuber: Lype: mRNA
A;Residues: 1-92 <KLE>
A;Cross-references: UNIPARC:UPIO000116585; EMBL:Z26621; NID:g405688; PIDN:CAA81374.1; PIC;Superfamily: immunoglobulin Nomology
C;Superfamily: immunoglobulin
 Ig Kappa chain V-I region (Lay) - human C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 24-Apr-1984 #sequence_revision 24-Apr-1984 #text_change 09-Jul-2004
C;Accession: A01871; F30609
R;Capra, J.D.; Klapper, D.G.
Scand. J. Immunol. 5, 677-684, 1976
A;Title: Complete maino acid sequence of the variable domains of two human IgM anti-gamm A;Reference number: A01871; MUID:77038198; PMID:824717
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 Length 92
 2; Length 98
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 DB 2;
2.9;
 ; Score 40; DB;
; Pred. No. 3;
1; Mismatches
 1; Mismatches
Mismatches
 Score 40;
Pred. No.
7,
 80.0%;
 80.0%;
Conservative
 Best Local Similarity 75.0
Matches 6; Conservative
 6; Conservative
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QQYNNNYPD 79
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QOYNNWPP 98
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72 QORTINWP 78
 1 OORSNWPP 8
 1 QQRSNWPP 8
 OORSNWP 7
 Query Match
Best Local Similarity
Matches 6; Conserv
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 Query Match
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A; Cross-references: UNIPARC: UPI0000115E92; EMBL: X67185
 76.0%; Score 38; DB 2;
 76.0%;
71.4%;
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Best Local Similarity 85.7%;
Matches 6; Conservative
 Best Local Similarity 71.4 Matches 5; Conservative
 655 ERGNWPP 661
 80 QCHSNWP 86
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 2 QRSNWPP 8
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 A;Residues: 1-788 <STO>
 A;Status: preliminary
A;Molecule type: DNA
 A; Accession: H96545
 A, Map position:
 A;Gene: Rv2438c
 Query Match
 Query Match
 RESULT 23
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 RESULT 22
S16826
IG kappa chain V region - human (fragment)
C; Species: Homo saplens (man)
C; Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C; Accession: S16826 S34101
R; Blaison, G; Kuntz, JL; Pasquali, J.L.
Eur. J. Immunol: 21, 1221-1227, 1991
A; Title: Molecular analysis of V(kappa) III variable regions of polyclonal rheumatoid fac A; Reference number: S16826
A; Stetus: preliminary; translation not shown
A; Molecule type: mRNA
A; Residues: 1-86 < BLA>
A; Rosaidues: 1-86 < BLA>
A; Residues: UNIPARC: UPIO000115E92; EMBL: X54824; NID:g33653; PIDN: CAA38593.1; PIC R; Wagner, S.D.; Luzzatto, L.
Eur. J. Immunol. 23, 391-397, 1993
A; Title: Veappa gene segments rearranged in chronic lymphocytic leukemia are distribute A; Reference number: S34076; MUID:93170387; PMID:8436174
A; Reference number: S34101
A; Reference number: S34101
A; Reference number: S34101
A; Reference number: S34101
A; Reference number: S41101
A; Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference number: Reference num
C;Accession: S37504

R;Klein, U.; Kueppers, R.; Rajewsky, K.

Bubmitted to the EMBL Data Library, September 1993

A;Reference to the EMBL Data Library, September 1993

A;Reference number: S37501

A;Reference number: S37501

A;Retus: preliminary

A;Restius: preliminary

A;Residues: 1-92 < KLE>

A;Cross-references: UNIPARC: UPI0000116578; EMBL: Z26608; NID:g405649; PIDN: CAA81361.1; PI

C;Superfamily: immunoglobulin V region; immunoglobulin homology

C;Keywords: heterotetramer; immunoglobulin
 Ig kappa chain V region - human (fragment)
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C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Accession: 516829
R;Blaison, G; Kuntz, J.L.; Pasquali, J.L.
Eur. J. Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid fach A;Reference number: $16823; MUID:91243737; PMID:1903706
A;Status: preliminary; translation not shown
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 A;Molecule type: mRNA
A;Residues: 1-86 <BLA>
A;Croselses-references: UNIPARC:UPI0000176DAC; EMBL:X54827
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <IMM>
 78.0%; Score 39; DB 2; Length 92; 75.0%; Pred. No. 4.3; 2; Indels cive 0; Mismatches 2; Indels
 Length 86
 1; Indels
 DB 2;
 76.0%; Score 38; DB
85.7%; Pred. No. 6;
ive 0; Mismatches
 Query Match
Best Local Similarity 75.0
Matches 6; Conservative
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 72 QQRMRWPP 79
 1 OORSNWPP 8
 80 QORRINWP 86
 1 QORSNWP 7
 A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-86 <WAG>
 RESULT 21
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A;Cross-references: UNIPARC:UPI00001650F9; GB:Z81451; GB:AL123456; NID:g3261662; PIDN:CAl
A;Experimental source: strain H37Rv
 C;Accession: H96545

R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000

A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C. C.A.; Li, J., H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.

Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, ker, M.; Mu, D.; Yu, G.; Fraser, C.M.; Vonter, J.C.; Davis, R.W.

A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, A;Reference and analysis of chromosome 1 of the plant Arabidopsis.
 A;Cross-references: UNIPROT:Q9C6J1; UNIPARC:UPI00009EC58; GB:AE005173; NID:g11094685; P
 D.; Gordon, S.; Holroyd, S.
 Ricole, S.T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Gordon, S.; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holroyd, S. Rajandream, M.A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, S.; Squares, S. Nature 393, 537-544, 1998
A, Authors: Sqares, R.; Sulston, J.E.; Taylor, K.; Whitehead, S.; Barrell, B.G.
A; Title: Deciphering the biology of Mycobacterium tuberculosis from the complete genome
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 A;Accession: D70680
A;Status: preliminary: nucleic acid sequence not shown; translation not shown
A;Molecule type: DNA
 hypothetical protein Rv2438c - Mycobacterium tuberculosis (strain H37RV)
C;Species: Mycobacterium tuberculosis
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 22-Oct-1999
 hypothetical protein F8A12.11 [imported] - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
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 Score 38; DB 2; Length 738;
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1; Mismatches 1; Indela
 Length 788;
 2; Length 86
 1; Indels
 Score 38; DB 2
Pred. No. 6;
0; Mismatches
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Nature 390, 364-370, 1997
A; Authors: Utterback, T.; Cotton, M.D.; Spriggs, T.; Artiach, P.; Kaine, B.P.; Sykes, S. Simith, H.O.; Womese, C.R.; Venter, J.C.
A; Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archaec A; Reference number: A69250; MUID:98049343; PMID:9389475
A; Accession: C69493
A; Accession: C69493
A; Accession: C69493
A; Molecule type: DNA
A; Residues: 1-816 < KLE>
 CjAccession: S16830
Ks Blaison, G.; Kuntz, J.L.; Pasquali, J.L.
Eur. J. Immunol. 21, 1221-1227, 1991
A;Title: Molecular analysis of V(kappa)III variable regions of polyclonal rheumatoid fac A;Accession: 816829; MUID:91243737; PMID:1903706
A;Accession: S16830
A;Status: preliminary; translation not shown
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C.Johte: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C.Johte: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C.Johte: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
R.Jaleson, G.; Kuntz, J.L.; Pasquali, J.L.
R.Jaleson, G.; Kuntz, J.L.; Pasquali, J.L.
A.Jaleson, G.; Kuntz, J.L.; Pasquali, J.D.
A.Jaleson, G.; Kuntz, J.L.; Pasquali, J.J.
A.Jaleson, G.; Kuntz, J.Jaleson, G.; Kuntz, J.Jal
 A;Cross-references: UNIPROT:028331; UNIPARC:UP10000056B16; GB:AE000968; GB:AE000782; NIC
 A.; Zhou, L.; Overbeek, R.; Gocayne, J.D.; Weidman, J.F.; McDonald,
 C;Species: Homo sapiens (man)
C;Date: 19-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
 A;Cross-references: UNIPARC:UP10000176DA7; EMBL:X54836
A;Experimental source: clone slkv14
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
 A;Cross-references: UNIPARC:UP10000176DA9; EMBL:X54828
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;7-81/Domain: immunoglobulin homology <1MM>
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 0; Indels
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A;Residues: 1986 - MRNA
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A;Experimental source: clone bkv17
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 Ig kappa chain V region - human (fragment)
 A;Status: translation not shown
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 3 RSNWPP 8
 1 QQRSNW 6
 A, Residues: 1-86 <BLA>
 A; Molecule type: mRNA
A; Residues: 1-86 < BLW>
 A; Accession: S16833
 ;Accession: S16838
 Query Match
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 hypothetical protein MOSD6.4 - Caenorhabditis elegans
hypothetical protein MOSD6.4 - Caenorhabditis elegans
hypothetical protein MOSD6.4 - Caenorhabditis elegans
C;Becession: T23734
E;Burton, J.
submitted to the EMBL Data Library, October 1995
A;Reference number: Z19791
A;Recession: T23734
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A;Recession: T2
 C69493
hypochetical protein AF1948 - Archaeoglobus fulgidus
hypochetical protein AF1948 - Archaeoglobus fulgidus
C;Species Archaeoglobus fulgidus
C;Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
C;Accession: C69493
R;Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson
:; Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, E.F.
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 / Match 74.0%; Score 37; DB 2; Length 128; Local Similarity 85.7%; Pred. No. 13; 165 Conservative 0; Mismatches 1; Indels
 74.0%; Score 37; DB 2; Length 429;
llarity 75.0%; Pred. No. 46;
Conservative 0; Mismatches 2; Indels
 2; Indels
62.5%; Pred. No. 56; tive 1; Mismatches
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A,Introns: 51/2; 225/1; 291/3; 370/3
 kappa chain V-J region - human
 5; Conservative
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462 ENRGNWPP 469
 176 QQVPNWPP 183
 109 QORSKWP 115
 Best Local Similarity
 1 QORSNWPP 8
 1 QQRSNWPP 8
 Query Match
Best Local Similarity
Matches 6; Conserv
 1 QORSNWP 7
 A; Gene: CESP: MO5D6.4
 Query Match
Best Local S
Matches 6
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A;Title: A large section of the gene locus encoding human immunoglobulin variable region A;Reference number: S11697; MUID:85264787; PMID:3927006 A;Accession: S11697 A;Accession: S11697 A;Status: preliminary; nucleic acid sequence not shown; translation not shown A;Molecule type: DNA A;Residues: 1-115 <PEC>
 cell-ycle protein homolog yacA - Bacillus subtilis
C;Species: Bacillus subtilis
C;Species: Bacillus subtilis
C;Species: Bacillus subtilis
C;Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 31-Dec-2004
C;Accession: $66097, D69740
B;Accession: $66097, D69740
B;Accession: $66097, MUD:96091385; PMID:7584024
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 Till kappa chain precursor V region (4C11) - mouse (fragment)
C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Accession: 10-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 21-Jan-2000
C;Accession: Dio013
R;Cheng, H.L.; Sood, A.K.; Ward, R.E.; Kieber-Emmons, T.; Kohler, H. Mol. Immunol, 25, 33-40, 1988
A;Title: Structural basis of stimulatory anti-idiotypic antibodies.
A;Reference number: PL0011; MUID:88142863; PMID:3125424
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 C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Reywords: heterotetramer; immunoglobulin F;36-110/Domain: immunoglobulin homology <IMM>
 Length 115;
 Length 140;
 Indels
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Pred. No. 18;
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 2; Mismatches
 Score 36;
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 72.0%;
Biol. 183, 291-299, 1985
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 109 QQRSNW 114
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Best Local Similarity
Matches 6; Conserv
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A;Residues: 1-140 <CHE>
 1 QQRSNW 6
 A; Accession: PL0013
 A; Introns: 17/1
 Query Match
 C.Genetics:
 RESULT 34
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 RESULT 30
837521
19 Kappa chain V region (V-kappa 3) - human (fragment)
C.Species: Homo sapiens (man)
C.Species: Homo sapiens (man)
C.Date: O6-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 23-Jul-1999
C.Accession: S37521
R.KLein, U.; Kueppers, R.; Rajewsky, K.
submitted to the EMBL Data Library, September 1993
A.Description: Human 1gM(+)1gD(+) cells, the major B cell subset in the peripheral blood
A.Reference number: S37501
A.Stetus: preliminary
A.Molecus: preliminary
A.Molecuse type: mRNA
A.Molecuse type: mRNA
A.Molecuse type: mRNA
C.Superferences: UNIPARC:UPI0000116587; EMBL:226623; NID:9405684; PIDN:CAA81376.1; PI
C.Superfeanily: immunoglobulin V region; immunoglobulin homology
 RESULT 31
S17626
Ig Mappa chain V region - mouse
Is Species: Mus musculus (house mouse)
C; Species: Mus musculus (house mouse)
C; Accession: $17626
R; Clackson, T.; Hoogenboom, H.R.; Griffiths, A.D.; Winter, G.
R; Clackson, T.; Hoogenboom, H.R.; Griffiths, A.D.; Winter, G.
R; Clackson, T.; Hoogenboom, H.R.; Griffiths, A.D.; Winter, G.
R; Title: Making antibody fragments using phage display libraries.
A; Reference number: $17230; MUID:91326098; PMID:1907718
A; Accession: $17626
A; Scatue: preliminary
A; Molecule type: nucleic acid
A; Residues: 1-91 cCLA>
A; Cross-references: UNIPARC:UPI00001767F2
C; Superfamily: immunoglobulin V region; immunoglobulin homology
C; Keywords: heterotetramer; immunoglobulin
F; 8-81/Domain: immunoglobulin homology < IMM>
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 Sil697
Ig kappa chain precursor V-III region - human
Ig kappa chain precursor V-III region - human
Is kappa chain precursor V-III region - human
Is kappa chain sapiens (man)
Is Date: 25-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
Is Accession: Sil697
Is Pohlenz, H.D.; Straubinger, B.; Gerl, R.; Zachau, H.G.
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 DB 2; Length 91;
14;
 72.0%; Score 36; DB 2; Length 86; 100.0%; Pred. No. 14;
 2; Length 91;
 0; Indels
 0; Indels
 0; Indels
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 0; Mismatches
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Best Local Similarity 100..
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Matches 6; Conservative
 6; Conservative
 80 QQRSSYPP 87
 OORSNWPP 8
 72 QQRSNW 77
 Best Local Similarity
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80 QQRSNW 85
 1 QORSNW 6
 1 QQRSNW 6
 Query Match
 Matches
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Cell 52, 757-772, 1988
A;Title: The Drosophila ninaC locus encodes two photoreceptor cell specific proteins wit
A;Reference number: A90898; MUID:88151067; PMID:2449973
A;Accession: B29813
 A;Gene: FIyBase:ninaC
A;Gene: FIyBase:ninaC
A;Cross-references: FlyBase:FBgn0002938
A;Cross-references: FlyBase:FBgn0002938
C;Superfamily: ninaC protein; wyosin motor domain homology; protein kinase homology
C;Keywords: actin binding; alternative splicing; ATP; nucleotide binding; P-loop; phosph
F;14-282/Domain: protein kinase homology <KIN>
F;335-1022/Domain: myosin motor domain homology <MMOT>
F;425-432/Region: nucleotide-binding motif A (P-loop)
F;911-936/Region: actin binding #status predicted
F;91034-1501/Domain: carboxyl-terminal <CET>
F;45.60,145/Active site: Lys, Glu, Asp #status predicted
F;431/Binding site: ATP (Lys) #status predicted
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A;Rosaidus: 1-217 <SEI>
A;Cossereferences: UNIPROT:Q00333; UNIPARC:UPI000006C489; EMBL:U34998; NID:g1353389; PI
A;Accession: S78194
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C;Accession: T51023
R;Schulte, U; Aign, V; Hoheisel, J; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatura, submitted to the Protein Sequence Database, July 2000
 C;Accession: 874461; 878194
R;Seitz, L.C.; Tang, K.; Cummings, W.J.; Zolan, M.E.
R;Seitz, L.C.; Tang, K.; Cummings, W.J.; Zolan, M.E.
A;Title: The rad9 gene of Coprinus cinereus encodes a proline-rich protein required for A;Reference number: 871461; MUID:96271528; PMID:8846891
A;Refersion: 871461
A;Accession: 871461
 A;Introns: 65/1; 151/2; 433/3; 472/1; 685/3; 844/3; 878/2; 1080/1; 1114/3; 1182/2; 1246/
 proline-rich protein Rad9 - inky cap (Coprinus cinereus)
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C;Date: 09-Dec-1997 #sequence_revision 09-Dec-1997 #text_change 09-Jul-2004
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 Pred. No. 3.5e+02;
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1352 QQRSSYPP 1359
 A; Reference number: Z25286
 159 QQPSNWP 165
 1 QORSNWPP
 A;Gene: rad9
 C;Genetics:
 /2; 2054/3
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A; Cross-references: UNIPROT:P37563; UNIPARC:UPI00016E923; EMBL:D26185; NID:9467326; PID A;Note: the nucleotide sequence was submitted to the EMBL Data Library, December 1993 R; Kunce: the nucleotide sequence was submitted to the EMBL Data Library, December 1993 C; Bron, S.; Brouillet, S.; Bruschi, C.V.; Caddwell, B.; Capuano, V.; Carter, N.M.; Chc A.; Envirol, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari, E. Nature 390, 249-256, 1997
A; Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, X.; Fuma, S.; Galizzi, A.; Galler is dech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo, M.F. Koetter, P.; Koningstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois, A; Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maucelly, A; M.; Ogdwara, A.; Ondega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portacelle Rieger, M.; Rivolta, C.; Rocha, B.; Roche, B.; Sekiguchi, J.; Scalon, A; Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Sekiguchi, J.; Scalon, A; Authors: Schleich, S.; Schroeter, R.; Yoshikawa, H.; Danchin, A.; Tosaco, V.; Uchyama, A; Muthors: Schleich, S.; Schroeter, R.; Yoshikawa, H.; Danchin, A. A; Tanaka, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A. A; Atterence number: A69580; MUD:99044033 PMID:9384377
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R;Bevan, M.; Lennard, N.; Quail, M.; Harris, B.; Rajandream, M.A.; Barrell, B.G.; Bancrc submitted to the Protein Sequence Database, June 1999
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 B29813
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Gaps

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Indels

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Pred. No. 30; 0; Mismatches

85.7%;

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 6; Conservative
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S40344
Ig kappa chain V-J region - human
C; Species Homo sapiens (man)
C; Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
C; Accession: S4034
R; Klein, R:; Jaenichen, R:; Zachau, H.G.
Eur. J. Immunol. 23, 3248-3271, 1993
A; Title: Expressed human immunoglobulin chi genes and their hypermutation.
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R;Suzuki, H; Takemura, H; Suzuki, M; Sekine, Y; Kashiwagi, H.
Biochem. Biophys. Res. Commun. 232, 101-106, 1997
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87 QQRASWP 93
 1 QQRSNWP 7
 Query Match
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| QSa4mO candida alb<br>Q89u49 bradyrhizob<br>Q8FyY8 organiya<br>Q817m magnanowtha | Q9hag2 homo sapien<br>Q8wy67 homo sapien        | QStqzz anopheles g<br>Q7q5j5 anopheles g<br>Q4pcj6 ustilago ma<br>Q56949 human papil                                    | U/nisa gloeobaccer<br>Q69mg4 oryza sativ<br>Q52kw5 xenopus lae<br>Q6n0g9 rhodopseudo | P37563 bacillus su<br>Q8vzr8 arabidopsis<br>Q9m0h8 arabidopsis | Q8rums oryza satıv<br>Q941s9 oryza sativ<br>Q5kpk5 cryptococcu | Q4ir75 gibberella<br>Q8ex98 drosophila<br>Q8mlu0 drosophila                                 | U7KV16 drosophila<br>Q4wva7 aspergillus<br>Q5wrn0 caenorhabdi<br>Q6zqdl mus musculu<br>Q4i415 gibberella | Q560k8 cryptococcu<br>Q54kc6 dictyosteli<br>Q85x1 mus musculu<br>Q6pal5 mus musculu | 015063 homo sapien<br>Q5ree5 pongo pygma<br>Q4r3a1 macaca fasc<br>P10676 drosophila                                                                                                                | xenopus la<br>aedes aegy<br>coprinus c<br>neurospora<br>bacillus s                   | Q6k614 oryza sativ<br>Q9u185 homo sapien<br>Q914d7 pseudomonas<br>Q4zwe6 pseudomonas<br>Q87wel pseudomonas                                    | Q7npr8 chromobacte<br>Q28134 bos taurus<br>Q620t0 oryza sativ<br>Q6dfz6 brachydanio<br>P11891 nisum sativ                                     | rhizobium<br>plasmodiu<br>theileria<br>nocardia<br>homo sapi                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 001153                                                                                                                                                                                                                                                                                                    | Ogaqué pseudomonas<br>O61w46 caenorhabdi<br>O69799 aleurochito<br>O5009 rattus norv<br>O59x20 xanthomonas<br>Q7vd52 prochloroco                                                                                                                                                                                                                       |                                                                                                                   |
|----------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 37 74.0 2568 2<br>37 74.0 4108 2<br>36 72.0 77 2                                 | 36 72.0 155 2<br>36 72.0 155 2<br>36 72.0 184 2 | 36 72.0 219<br>36 72.0 289<br>36 72.0 314                                                                               | 36 72.0 468 2 36 72.0 468 2                                                          | 36 72.0 472 1<br>36 72.0 496 2<br>36 72.0 508 2                | 36 72.0 612 2<br>36 72.0 612 2<br>36 72.0 616 2                | 36 72.0 689 2<br>36 72.0 708 2<br>36 72.0 751 2                                             | 36 72.0 764<br>36 72.0 764<br>36 72.0 844<br>36 72.0 856<br>36 72.0 923                                  | 36 72.0 990 2<br>36 72.0 1012 2<br>36 72.0 1059 2<br>36 72.0 1059 2                 | 36 72.0 1070 1<br>36 72.0 1070 2<br>36 72.0 1070 2<br>36 72.0 1501 1                                                                                                                               | 36 72.0 1696 2<br>36 72.0 2032 2<br>36 72.0 2157 1<br>36 72.0 2592 2<br>35 70.0 73 2 | 35 70.0 87 2 35 70.0 109 2 35 70.0 126 2 35 70.0 126 2 35 70.0 126 2                                                                          | 35 70.0 127<br>35 70.0 133<br>35 70.0 133<br>35 70.0 139                                                                                      | 35 70.0 155 2 3 3 70.0 155 2 3 3 70.0 203 1 2 3 3 70.0 206 2 3 3 70.0 206 2 2 3 3 70.0 206 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                                                                                                                                                                                                                                                                                                                                                                                            | 99 35 70.0 206 2 036806 HUMAN<br>90 35 70.0 222 2 06GY73_9NEOP<br>91 35 70.0 222 2 06GY94 9NEOP<br>92 35 70.0 224 1 CD79A_BOVIN<br>93 35 70.0 224 1 HES6 MOUSE<br>94 35 70.0 234 2 05FPNO_RAT                                                                                                             | 35 70.0 249<br>35 70.0 261<br>35 70.0 261<br>35 70.0 263<br>35 70.0 277                                                                                                                                                                                                                                                                               | ALIGNMENTS                                                                                                        |
| GenCore version 5.1.6<br>Copyright (c) 1993 - 2005 Compugen Ltd.                 | OM protein - protein search, using sw model     | Run on: December 14, 2005, 07:17:28 ; Search time 43.1724 Seconds (without alignments) 130.737 Million cell updates/sec | Title: US-10-720-323-6 Perfect score: 50 Sequence: 1 QQRSNWPP 8                      | Scoring table: BLOSUM62<br>Gapop 10.0 , Gapext 0.5             | hed: 21664                                                     | Total number of hits satisfying chosen parameters: 2166443 Minimum DB seq length: 200000000 | sey tengun:<br>ssing: Minimu<br>Maximu<br>Listin                                                         | Database : UniProt_05.80:*<br>1: uniprot_sprot:*<br>2: uniprot_trembl:*             | Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. | Result Query Description Description                                                 | 43 86.0 115 1 KV31 HUMAN P04433<br>42 84.0 271 2 Q74CK8 GEOSL Q74cK8<br>41 82.0 2528 2 Q92217 COCHE Q92217<br>40 80.0 108 1 KV1M HUMAN P01605 | 40 80.0 109 1 KV3F_HUMAN<br>40 80.0 129 1 KV3H_HUMAN<br>39 78.0 737 1 EXTIC_BRARE<br>38 76.0 176 2 QBRVHG_9ROSI<br>38 76.0 255 2 O5B394 EMENT | 1 38 76.0 532 2 Q00069_ASCIM Q00069 as 2 38 76.0 679 1 NADE MYCTU POSS16 7 08 3 76.0 687 2 Q6AMEO_DESPS Q6ameO do 4 38 76.0 788 2 Q9CGJI_ARATH Q05611 as 7 76.0 788 2 Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATH Q9CGJI_ARATHATH Q9CGJI_ARATHATH Q9CGJI_ARATHATH Q9CGJI_ARATHATH Q9CGJI_ARATHATH Q9CGJI_ARATHATHATHATHATHATHATHATHATHATHATHATHATHA | 6 37 74.0 112 2 Q4K508 PSEFS Q4K508 pseudomons<br>7 37 74.0 112 2 Q88QRO_PSEPK Q88QrO pseudomons<br>8 37 74.0 184 2 Q96GG3 HUMAN Q96cg3 homo sapic<br>9 37 74.0 189 2 Q991U7 92ZZZ Q99iu7 uncultured<br>0 37 74.0 239 2 Q88RN8 MOUSE Q89iu7 muscultured<br>1 37 74.0 287 2 Q88RN8 MOUSE Q84jc0 arabidopsi | 22 37 74.0 310 2 O9FMAH ARATH O9Fm44 arabidopsis 23 37 74.0 388 2 Q6ZV70_HUMAN Q6ZV70 homo sapien 24 37 74.0 419 2 Q6Z71J_CABER Q6Z717 caenorhabdi 25 37 74.0 420 2 Q8ZD19_MOUSE Q8ZD19 mus musculu 26 37 74.0 429 2 Q21523_CABEL Q21523_caenorhabdi 27 37 74.0 524 2 Q89YT1_BACTN Q89YT1 bacteroides 28 37 74.0 731 2 Q58GBE_EMBNI Q559D8 aspergilus | 9 37 74.0 76.2 2 Q41MM5_G1BZE Q41mm5<br>0 37 74.0 796 2 Q7Q3SO_ANGGA Q7Q3S<br>1 37 74.0 816 2 Q28331_ARCFU Q28331 |

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Polyketide synthase.
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 NUCLEOTIDE SEQUENCE.
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 environments."
 STRAIN=C4;
 STRAIN=C4;
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 This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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 MEDLINE-85087932; PubMed=6440122;
Pech M., Zachau H.G.;
"Immunoglobulin genes of different subgroups are interdigitated within
 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
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Rhomboid family protein.
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Geobacter sulfurreducens.
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ID KV31 HUMAN

ID AVG13 HUMAN

ID 13-AVG2

DE 13-AVG3

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OC BUARATY

OC HOMO SI

OC CHO REGION
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 MEDIANE=97112040; PubMed=8953776; DOI=10.1105/tpc.8.11.2139;
Yang G., Rose M.S., Turgeon B.G., Yoder O.C.;
"A polyketide synthase is required for fungal virulence and production the polyketide T-toxin.";
Plant Cell 8:2139-2150(1996).";
 GO; GO:0004024; F:alcohol dehydrogenase activity, zinc-dependent; IEA. GO; GO:0048037; F:cofactor binding; IEA. GO; GO:0016491; F:cofactor binding; IEA. GO; GO:0016491; F:cotactortase activity; IEA. GO; GO:001679; F:zinc son binding; IEA. GO; GO:0008270; F:zinc son binding; IEA. GO; GO:0006633; P:fatty acid biosynthesis; IEA. GO; GO:0008152; P:metabolism; IEA.
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'Genome of Geobacter sulfurreducens: metal reduction in subsurface
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HSSP; P96202; 1PQW.
 InterPro; IPR001227; Ac transferase.
InterPro; IPR002198; ADH short.
InterPro; IPR002085; Adh zn family.
InterPro; IPR000594; Ketbacyl synth.
InterPro; IPR006163; Phsppanteth bind.
InterPro; IPR006162; Ppantne S.
Pfam; PF00698; Acyl_transf_1; 1.
 Created)
 InterPro; IPR002610; Rhomboid like. Pfam; PF01694; Rhomboid; 1. Complete proteome. SEQUENCE 271 AA; 28632 MW. nnorr
 01-FEB-1997 (TrEMBLrel. 02,
01-MAR-2004 (TrEMBLrel. 26,
01-MAR-2004 (TrEMBLrel. 26,
 Q92217_COCHE PRELIMINARY;
Q92217;
 Best Local Similarity 75.0
Matches 6; Conservative
 Turgeon B.G.;
Submitted (JAN-2004) to
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 Goni F.R., Chen P.P., McGinnis D., Arjonilla M.L., Fernandez J.,
Carson D., Solomon A., Mendez E., Frangione B.;
J. Immunol. 143:1864-2864(1989)
-!- MISCELLANBOUS: The second and third hypervariable regions of this
chain are identical with those of the human POM V-III kappa chain,
with which it shares certain idiotypic determinants.
-!- MISCELLANBOUS: This chain was isolated from an IgM with anti-gamma
globulin activity.
 Capra J.D., Klapper D.G.; "Complete amino acid sequence of the variable domains of two human IgM anti-gamma globulins (Lay/Pom) with shared idiotypic specificities."; Scand. J. Immunol. 5:677-684(1976).
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
 Gaps
 MEDLINE=89215279; PubMed=2496160; Arjonilla M.L., Fernandez J., Goni F.R., Chen P.P., McGinnis D., Arjonilla M.L., Fernandez J., Carson D., Solowon A., Mendez E., Frangione B.; Structural and idiotypic characterization of the L chains of human IgM autoantibodies with different specificities."; J. Immunol. 142:3158-3163(1989).
 ö
 Score 41; DB 2; Length 2528;
Pred. No. 6.3e+02;
 OSPHOPANTETHEINE; UNKNOWN 1.
275269 MW; D58D4FD59C1075F7 CRC64;
 1; Indels
 GO; GO:0005576; C:extracellular region; NAS. GO; GO:0005876; C:extracellular region; NAS. GO; GO:0003823; F:antigen binding; NAS. GO; GO:0005855; P:immune response; NAS. InterPro; IPR003596; Ig-like.
InterPro; IPR003596; Ig-v. SMART; SM00406; IGV. 1.
PROSITE: PSSO835; IG LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
 (Rel. 01, Created)
(Rel. 01, Last sequence update)
(Rel. 48, Last annotation update)
 108 AA
 1; Mismatches
Pfam; PF00106; adh_short; 1.
Pfam; PF00107; AbH_zinc_N; 1.
Pfam; PF00109; ketcacyl-synt; 1.
Pfam; PF00109; ketcacyl-synt C; 1.
PROSITE; PSS0075; ACP DOWAIN; 1.
PROSITE; PSG00012; PHOSPHOPANTETHEINE; SEQUENCE 2528 AA; 275269 MW; DS8D4
 PRT;
 PROTEIN SEQUENCE.
MEDLINE=77038198; PubMed=824717;
 Ig kappa chain V-I region Lay. Homo sapiens (Human).
 82.0%;
75.0%;
 6; Conservative
 STANDARD;
 2237 EARSNWPP 2244
 PIR; A01871; K1HULY.
 1 QORSNWPP 8
 HSSP; P01607; 1BWW.
SMR; P01605; 1-108.
 Query Match
Best Local Similarity
 NCBI_TaxID=9606;
 21-JUL-1986
 KVIM HUMAN
P01605;
 removed.
 ERRATUM
 Matches
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 PROTEIN SEQUENCE.
MEDLINE=76276460; PubMed=60899;
MEDLINE=76276460; Capra J.D.;
Klapper D.G., Capra J.D.;
The amino acid sequence of the variable regions of the light chains
from two idiotypically cross reactive IgM anti-gamma globulins.";
Ann. Immunol. (Faris) 127C:261-271(1976).
-!- MISCELLANEOUS: This chain was isolated from an IgM with anti-gamma
globulin activity.
 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
 Gaps
 Gaps
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 Complementarity-determining-1.
Framework-2.
 Complementarity-determining-2.
 Complementarity-determining-3
 Length 108;
 Length 109;
 Indels
 11834 MW; 739993A95431434A CRC64;
 109 AA; 11922 MW; 62821DDC6A8ABA86 CRC64;
 SMART; SM00406; IGv; 1.—
PROSITE; PS50835; IG LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region.
By similarity.
 PIR; A01897; K3HUPM.
HSSP; P01625; LLVE.
SMR; P01624; 1-109.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0005823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
 80.0%; Score 40; DB 1; 75.0%; Pred. No. 38; ive 1; Mismatches
 80.0%; Score 40; DB 1; 75.0%; Pred. No. 37;
 21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Ig kappa chain V-III region POM.
HOMO sapiens (Human).
 109 AA.
 1; Mismatches
 By similarity
Framework-1.
 Conservative
 Conservative
 STANDARD;
 23
34
34
107
109
108
 || :||||
QQYNNWPP 96
 97
 æ
 1 QQRSNWPP 8
 108 AA;
 Local Similarity
 Local Similarity
 |||:||: ||
 1 QORSNWPP
 NCBI_TaxID=9606;
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 KV3F HUMAN
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 Query Match
 Query Match
 SEQUENCE
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 P01624;
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 RESULT 8
Q8RVH6 9R
ID Q8RV
AC Q8RV
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 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
 13-SEP-2005 (Rel. 48, Created)
13-SEP-2005 (Rel. 48, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
13-SEP-2005 (Rel. 48, Last annotation update)
13-SEP-2005 (Let. 2.4.1.224) (EC 2.4.1.1.225) (Glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase 1c) (Multiple exostoses protein
 Gaps
 MEDLINE=86177570; PubMed=3083417;
Jirik F.R., Sorge J., Fong S., Heitzmann J.G., Curd J.G., Chen P.P.,
Goldfien R., Carson D.A.;
"Cloning and sequence determination of a human rheumatoid factor
 ö
 20-MMR-1987 (Rel. 04, Created)
01-NOV-1990 (Rel. 16, Last sequence update)
10-MMY-2005 (Rel. 47, Last annotation update)
1G kappa chain V-III region CLL precursor (Rheumatoid factor).
Homo sapiens (Human).
 Ig kappa chain V-III region CLL
 Complementarity-determining-1.
 Complementarity-determining-2.
 Complementarity-determining-3.
 DB 1; Length 129,
 1; Indels
 SM00406; IGv; 1.
3; PS50835; IG LIKE; 1.
3lobulin domain; Immunoglobulin V region; Signal.
 14275 MW; 5C13B411BE60CC14 CRC64;
 light-chain gene.";
Proc. Natl. Acad. Sci. U.S.A. 83:2195-2199(1986).
 SNR; P04207; 21-129.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0006555; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
 737 AA
 JK1 segment.
By similarity
 1; Mismatches
 EMBL; M12740; AAA58992.1; -; Genomic_DNA
 Framework-2
 Framework-3
 Score 40;
 Pred. No.
 PRT;
 80.0%;
75.0%;
 6; Conservative
 STANDARD;
 STANDARD;
 108
118
129
108
 109 QQYNNWPP 116
 NUCLEOTIDE SEQUENCE.
 1 QQRSNWPP 8
 129 AA;
 Query Match
Best Local Similarity
 P01625; 1LVE
 NCBI_TaxID=9606;
 Immunoglobulin
 EXTIC BRARE
QSIGR6;
 KV3H HUMAN
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 ISS.
 Viciboride Sequence (MRNA), AND DEVELOPMENTAL STAGE.

PubMed=15614771; DOI=10.1002/dvdy.20248;

Siekmann A.F., Brand M.; Developed Siekmann A.F., Brand M.;

Distinct tissue-specificity of three zebrafish extl genes encoding proteoglycan modifying enzymes and their relationship to somitic Sonic hedgehog signaling.";

1. FUNCTION: Glycosyltransferase required for the biosynthesis of happaran-sulfate (By similarity).

1. CATALYTIC ACTIVITY: UDP-N-acetyl-D-glucosamine + beta-D-glucosaming-proteoglycan = glucuronosyl-(1->4).N-acetyl-alpha-D-glucosaminyl-proteoglycan =
 UDP + N-acetyl-alpha-D-glucosaminyl-(1->4)-beta-D-glucuzonosyl-
(1->4)-N-acetyl-alpha-D-glucosaminyl-proteoglycan.
CATALYTIC ACTIVITY: UDP-alpha-D-glucuzonate + N-acetyl-alpha-D-
glucosaminyl-(1->4)-beta-D-glucuzonosyl-proteoglycan = UDP + beta-
D-glucuzonosyl-(1->4)-N-acetyl-alpha-D-glucosaminyl-(1->4)-beta-D-
 DEFIGURATIONS TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TYPE II membrane protein. Endoplasmic reticulum (By similarity).

DEVELONMENTAL STAGE: Expressed zygotically. First detected at the DEGVELOPMENTAL STAGE: Expressed zygotically. First detected at the Degining of somatogenesis. At the 16-somite stage, restricted to posterior adaxial cells and, in the anterior, to cells adjacent to the neural tube and to ventromedial reignons of the somites. At 24 hours-post-fertilization (hpf), expressed in the ventral rhombomeres, telencephalon and olfactory bulbs. At 48 hpf, expressed in the brain, retina and fin buds.

SIMILARITY: Belongs to the glycosyltransferase 47 family.
 Сарв
 Brachydanio rerio (Zebrafish) (Danio rerio).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
 GO:0030176; C:integral to endoplasmic reticulum membrane; ISS. 05:0050509; F:glucuronosyl-N-acetylglucosaninyl-proteogly. . .; GO:0050509; F:N-acetylglucosaminyl-proteoglycan 4-beta-gl. . .; GO:0015012; P:heparan sulfate proteoglycan biosynthesis; ISS.
 Signal-anchor for type II membrane protein (Potential)
 Lumenal (Potential).
N-linked (GIGNAc. ...) (Potential)
N-linked (GIGNAc. ...) (Potential)
; 349EB644FB7AADB4 CRC64;
 ö
 Score 39; DB 1; Length 737;
Pred. No. 3.9e+02;
 Pfam; PF03016; Exostosin; 1.
Endoplasmic reticulum; Glycoprotein; Glycosyltransferase;
 1; Indels
 Cytoplasmic (Potential)
 176 AA.
 0; Mismatches
 Signal-anchor; Transferase; Transmembrane.
 EMBL; AY734457; AAW29035.1; -; mRNA. ZFIN; ZDB-GENE-050211-5; extlc.
 IPR004263; Exostosin.
 85389 MW;
 78.0%;
85.7%;
 H6 9ROSI
QBRVH6 9ROSI PRELIMINARY;
QBRVH6;
 Conservative
 737
194
322
 194 1
322 3
737 AA;
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 Query Match
Best Local Similarity
 Cyprinidae; Danio.
NCBI_TaxID=7955;
 QRSNWPP
 ORSKWPP
Name=ext1c;
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01-NOV-1996
01-MAR-2004
 STRAIN=RN42;
 Query Match
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 Aracharia B., Nubbaum C., Abouelleil A., Allen N., Anderson S., Arachai H.M., Barran N., Bastien V., Bloom T., Boguslavkiy L., Arachchi H.M., Barran N., Bastien V., Bloom T., Boguslavkiy L., Boukhgalter B., Butler J., Calvo S.B., Camarate J., Chang J., Chang J., Chang J., Chang J., Chang J., Chang J., Chang J., Batter J., Bodge S., Dooley K., Dorris L., Elkins T., Engels R., Britzeran M., Gage D., Galagan J., Ractorn S., Garham L., Grand-Pierre N., Hafez N., Hafez N., Hagopian D., Hagos B., Hall J., Horton L., Hulme W., Iliev I., Radgopian D., Hagos B., Hall J., Horton L., Hulme W., Iliev I., RA Jaffe D., Johnson R., Jones C., Kamal M., Kamat A., Karatas A.,
 Gaps
 Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AJ306827; CAC64708.1; -; mRNA.

GO; GO:0005634; C:nucleus; IEA.

GO; GO:00046598; P:progulation of transcription, DNA-dependent; IEA.

GO; GO:0006445; P:regulation of transcription; IEA.

InterPro; IPR011525; AuxIAA ARF_dimer.

InterPro; IPR01311; AUX IAA.
 Populus tremula x Populus tremuloides.
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core eudicotyledons,
rosids, eurosids I, Malpighiales, Salicaceae, Saliceae, Populus.
 ö
 Aspergillus nidulans FGSC A4.
Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
Eurotiales; Trichocomaceae; Emericella.
NCBI_TaxID=227321;
 .
:
 76.0%; Score 38; DB 2; Length 176; 75.0%; Pred. No. 1.3e+02; ive 1; Mismatches 1; Indels
 TISSUB=Cambial region;
Schrader J., Moyle R., Stenberg A., Olsson O., Sandberg
Bhalerao R.P.;
 PEGNI PF02309; AUX 1AA; I.
PROSITE; PS50962; IAA ARF; 1.
SEQUENCE 176 AA; 19641 MW; B3EF5E0BC6599553 CRC64;
01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 10-MAY-2005 (TrEMBLrel. 30, Created)
10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
10-WAY-2005 (TrEMBLrel. 30, Last annotation update)
 255 AA
 Q5B394 EMENI PRELIMINARY;
Q5B394;
 Local Similarity 75.0
 Hypothetical protein.
 NUCLEOTIDE SEQUENCE.
 1 QORSNWPP 8
 NUCLEOTIDE SEQUENCE.
 ORFNames=AN4986.2;
 NCBI_TaxID=47664;
 Aux/IAA protein.
 STRAIN=FGSC A4;
 Query Match
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 NADE_MYCBO STANDARD; PRT; 679 AA.
P0A5L7; P71911;
16-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Glutamine-dependent NAD(+) synthetase (RC 6.3.5.1) (NAD(+) synthase
Name=nadE; OrderedLocusNames=Mb2464c;
 18
 STRAIN=AF2122/97;
MEDLINE=22709107; PubMed=12788972; DOI=10.1073/pnas.1130426100;
Garnier T., Eiglmeier K., Camus J.-C., Medina N., Mansoor H.,
 ö
 .;
0
"Genome Sequence of Aspergillus nidulans.";
Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
 Ascobolus immersus.
Eukaryota; Fungi; Ascomycota; Pezizomycotina; Pezizomycetes;
Pezizales; Ascobolaceae; Ascobolus.
 Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium;
 Length 255;
 Length 532;
 76.0%; Score 38; DB 2; Length 55.
 76.0%; Score 38; DB 2; Length 255
75.0%; Pred. No. 1.9e+02;
ive 0; Mismatches 2; Indels
 Goyon C.; Submitted (JUL-1996) to the EMBL/GenBank/DDBJ databases. EMBL; X99094; CAA67549.1; -; Genomic_DNA.
 GO; GO:0005634; C:nucleus, IEA.
GO; GO:000576; F:nucleic acid binding; IEA.
GO; GO:0008270; F:zinc ion binding; IEA.
InterPro; IPRO089; ZHZ CZHZ.
SMART; SMO055; ZhZ CZHZ; 4.
SEQUENCE 532 AA; 58367 MW; B97A7B7C66D887A CRC64;
 preliminary data.

EMBL, AcCOOLO00084; EAA61064.1; -; Genomic_DNA.

Hypochetical protein. 28504 MW; 4B13955E977CA447 CRC64;
 (TrEMBLrel. 01, Created)
(TrEMBLrel. 01, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
 NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
 Mycobacterium tuberculosis complex.
 62.5%;
 Query Match
Best Local Similarity 75.00,
 59_ASCIM
Q00069_ASCIM PRELIMINARY;
Q00069;
 5; Conservative
 01-NOV-1996 (TrEMBLrel.
 458 KKRKNWPP 465
 20 QOPPINPP 27
 Zinc finger protein.
 Mycobacterium bovis.
 1 QQRSNWPP 8
 1 QQRSNWPP 8
 NUCLEOTIDE SEQUENCE
 Sest Local Similarity
 NCBI_TaxID=5191;
 NCBI_TaxID=1765;
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Desulfotalea psychrophila
Nature 393:537-544 (1998)
 synthetase.";
 RESULT 13
06AME0_DESPS
06AME0_DIAC 06AME0_DI
DT 25-OCT-20
DT 25-OCT-21
DT 25-OCT-21
DE HYDOTHET:
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 MEDLINE=9825987; PubMed=9634230; DOI=10.1038/31159;
Cole S.T., Brosch R., Parkhill J., Garnier T., Churcher C.M.,
Cole S.T., Bacock K., Eiglmeier K., Gas S., Barry C.E. III,
Tekaia F., Badcock K., Basham D., Brown D., Chillingworth T.,
Connor R., Davies R.M., Devlin K., Feltwell T., Gentles S., Hamlin N.,
Holroyd S., Hornsby T., Jagels K., Kropp A., McLean J., Moule S.,
Murphy L.D., Oliver S., Osborne J., Quail M.A., Rajandream M.A.,
Rogers J., Rutter S., Seeger K., Skelton S., Squares S., Squares
Sulston J.E., Taylor K., Whitehead S., Barrell B.G.;
Deciphering the biology of Mycobacterium tuberculosis from the
 Pryor M., Duthoy S., Grondin S., Lacroix C., Monsempe C., Simon S., Harris B., Atkin R., Doggett J., Mayes R., Kealing L., Wheeler P.R., Parkhill J., Barrell B.G., Cole S.T., Gordon S.V., Hewinson R.G.; The complete genome sequence of Mycobacterium bovis."; Proc. Natl. Acad. Sci. U.S. A. 100:7877-7882(2003).
 Gaps
 NADE_MYCTU STANDARD; PRT; 679 AA.
P0A516; P1911;
16-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Glutamine-Gependent NAD(+) synthetase (EC 6.3.5.1) (NAD(+) synthase
 (by Shillarity).

-!- CATLYTIC ATTIVITY: ATP + deamido-NAD(+) + L-glutamine + H(2)O
AMP + diphosphate + NAD(+) + L-glutamate.
-!- PATHWAY: NAD biosynthesis.
-!- SIMILARITY: In the C-terminal section; belongs to the NAD synthetase family.
-!- SIMILARITY: Contains 1 CN hydrolase domain.
 [glutamine-hydrolyzing]).
Name-nadE; OrderedLocusNames-Rv2438c, MT2513; ORFNames-MTCY428.08;
Name-nadE; OrderedLocusNames-Rv2438c, MT2513; ORFNames-MTCY428.08;
Nycobacterium vuberculosia; Actinobacteridae; Actinomycetales;
Bacteria; Actinobacteria; Actinobacteridae; Mycobacterium;
 EMBL; BX248342; CAD97325.1; -; Genomic_DNA.
HAWAP: MF 00193; fueed; 1.
InterPro; IPR003694; NaDes/CNbydtse.
InterPro; IPR003010; Ntlee/CNbydtse.
Pfam; PF00795; CN bydrolase; 1.
Pfam; PF00795; CN bydrolase; 1.
TIGRPAMS; TIGR00552; nadE; 1.
PROSTE; PS50263; CN HYDROLASE; 1.
PROST
 ö
 76.0%; Score 38; DB 1; Length 679; 71.4%; Pred. No. 5.3e+02; ive 1; Mismatches 1; Indels
 Ligase.
By similarity.
14AC29CE434A8BOD CRC64;
 NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
 Mycobacterium tuberculosis complex.
 366 373 AT
337 679 Li.
368 368 BY
679 AA; 74683 MW;
 Similarity 71.4
5, Conservative
 (By similarity)
 2 QRSNWPP 8
 STRAIN=H37Rv;
 ACT SITE
SEQUENCE
 Query Match
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 REGION
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NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
STRAIN=CDC 1551 / Oshkosh;
MEDLINE=22206494; PubMed=12218036;
DOI=10.1128/USB-184.19-5479-5490.2002;
Fleischmann R.D., Alland D., Eisen J.A., Carpenter L., White O., Peterson J.D., DeBoy R.T., Dodson R.J., Gwinn M.L., Haft D.H.,
Hickey E.K., Kolonay J.F., Nelson W.C., Umayam L.A., Ermolaeva M.D.,
Salzberg S.L., Delcher A., Utterback T.R., Weidman J.F., Khouri H.M.,
Gill J., Mikula A., Bishai W., Jacobs W.R. Jr., Venter J.C.,
 J. Bacteriol. 180:3218-3221(1998).
-!- FUNCTION: Can use both glutamine or ammonia as a nitrogen source.
-!- CATALYTIC ACTIVITY: ATP + deamido-NAD(+) + L-glutamine + H(2)O =
-!- AMP + diphosphate + NAD(+) + L-glutamate.
-!- PATHWAY: NAD biosynthesis.
-!- PATHWAY: In the C-terminal section; belongs to the NAD
 Gaps
 HAMAP; ...
InterPro; IPR00100; NL18e, ...
A InterPro; IPR001010; NL18e, ...
R Eam; PF02540; NAD synthase; 1.
DR Pfam; PF02540; NAD synthase; 1.
DR TIGRFAMs; T1CR00552; nadE; 1.
DR ATP-binding; Complete proteome; Ligase; NAD; Nucleotide-binding.
FT DOMAIN 366 373 ATP (By similarity).
NP BIND 366 373 ATP (By similarity).
TOMAIN 3679 By similarity.
TOMAIN 3679 By similarity.
TOMAIN 3679 By similarity.
TOMAIN 3679 By similarity.
 "Whole-genome comparison of Mycobacterium tuberculosis clinical and
 MEDLINE-98292757; PubMed-9620974;
Cantoni R., Branzoni M., Labo M., Rizzi M., Riccardi G.;
"The MTCY428.08 gene of Mycobacterium tuberculosis codes for NAD+
 ö
 76.0%; Score 38; DB 1; Length 679; 71.4%; Pred. No. 5.3e+02; ive 1; Mismatches 1; Indels
 Last sequence update)
Last annotation update)
 EMBL; BX842579; CAB03781.2; -; Genomic_DNA.
EMBL; AE000516; AAK46810.1; ALT_INIT; Genomic_DNA.
TUGR; MT2513;
Tuberculist; Rv2438c; -.
Tuberculist; Rv2438c; -.
InterPro; IPR003694; NAD synthase.
InterPro; IPR003694; NaD synthase.
InterPro; IPR003010; Nt1Se/CNhydtse.
 -!- SIMILARITY: Contains 1 CN hydrolase domain
 Created)
 laboratory strains.";
J. Bacteriol. 184:5479-5490(2002)
 25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28, 28, 25-OCT-2004 (TrEMBLrel. 28, 4ypotherical protein.
 QEAMEO DESPS PRELIMINARY;
QEAMEO;
 Conservative
 synthetase family
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596 ERGNWPP 602
 Local Similarity
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 2 QRSNWPP
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Chromosome undetermined SCAF11816, whole genome shotgun sequence
 (Fragment).
ORFNames=GSTENG00010000001;
 8 PSEF5
Q4K508 PSEF5 PRELIMINARY;
Q4K508;
 Local Similarity 62.5
 370 EORKHWPP 377
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 HIT family protein.
 NUCLEOTIDE SEQUENCE
 NCBI_TaxID=220664;
 1 QORSNWPP
 NCBI_TaxID=99883;
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 Q4K508
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 Problem 18. Stark M. Stark M. Strand M. Stark M., PubMed=15305914; DOI=10.1111/j.1462-2920.2004.00665.x; PubMed=15305914; DOI=10.1111/j.1462-2920.2004.00665.x; PubMed=15305914; DOI=10.1111/j.1462-2920.2004.00665.x; Bauer M., R., Ruckey T., Rattei T., Ramann J., Gellner K., Teeling H., Leuschner W.D., Gloeckner F.-O., Lupas A.N., Amann R., Klenk H.-P.; "The genome of Desulfotalea psychrophila, a sulfate-reducing bacterium from permanently cold Arctic sediments."; "The genome of Seguing Actic sediments."; "The Bruiton Microbiol. 6.887-902(2004). "Bubl. CR522870; CAG36465.1; -; Genomic DNA. Complete proteome; Hypothetical protein. SEQUENCE 687 AA; 77118 MW; 1CD38BEBF96FDA2D CRC64;
 Lin X., Kaul S., Town C.D., Benito M., Creasy T.H., Haas B.J., Wu D., Maiti R., Ronning C.M., Koo H., Fujii C.Y., Utterback T.R., Barnatead M.E., Bowman C.L., White O., Nierman W.C., Fraser C.M.; Submitted (JAN-2011) to the EMBL/GenBank/DDBJ databases.
EMBL, AC079284; AAGS0927.1; -; Genomic_DNA.
 Gaps
 Gaps
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
Bacteria, Proteobacteria, Deltaproteobacteria, Desulfobacterales,
Desulfobulbaceae, Desulfotalea.
NCBI_TaxID=84980;
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 76.0%; Score 38; DB 2; Length 687; 100.0%; Pred. No. 5.4e+02;
 76.0%; Score 38; DB 2; Length 788; 62.5%; Pred. No. 6.2e+02; ive 1; Mismatches 2; Indels
 0; Indels
 GO; GO:0005488; F:binding; IEA.
GO; GO:0007076; P:mitotic chromosome condensation; IEA.
InterPro; IPR011989; ARM-like.
InterPro; IPR000357; HEAT.
PF02985; HEAT; 2.
 Hypothetical protein.
SEQUENCE 788 AA; 86573 MW; 2D9C051B34F43066 CRC64;
 01-007-2001 (TrEMBLrel. 17, Created)
01-007-2001 (TrEMBLrel. 17, Last sequence update)
01-007-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein F8A12.11.
 Last sequence update)
Last annotation update)
 788 AA
 PRT; 2135 AA
 100.0%; Pred.
 Arabidopsis thaliana (Mouse-ear cress).
 Created)
 (TrEMBLrel. 31, (TrEMBLrel. 31, (TrEMBLrel. 31,
 Q4SZ58 TETNG PRELIMINARY, Q4SZ58; 13-SEP-2005 (TYEMBLREI, 31, 13-SEP-2005 (TYEMBLREI, 31, 13-SEP-2005 (TYEMBLREI, 31,
 OSCEJI ARATH PRELIMINARY;
 Local Similarity 100.
 5; Conservative
 : | ||||
462 ENRGNWPP 469
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE.
 515 QRSNWP 520
 1 QORSNWPP 8
 Best Local Similarity
 2 QRSNWP 7
 NCBI_TaxID=3702;
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 Query Match
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Q4SZ58 TET
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AC Q4SZ5
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WALCELE DOWN, Brunet F., Petit J.L., Stange-Thomann N.,

Mancell E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,

Malcaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Sequrens B.,

Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,

Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

Biemont C., Skalli Z., Cattolico L., Poulann J., De Berardinis V.,

Anthouard C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,

Relis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,

Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,

Wincker P., Lander E.S., Weissenbach J., Roest Crollius H.;

"Genome duplication in the teleost fish Tetraodon nigroviridis reveals
 NOCLEOTIDE SEQUENCE.

NUCLEOTIDE SEQUENCE.

Genoscope, Whitehead Institute Centre for Genome Research;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.

-- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.

-- SIMILARITY: Belongs to the ubiquitin-conjugating enzyme family.

EMBL; CAAE01011816; CAF94074.1; -; Genomic_DNA.

InterPro; IPR0001094; AFPase a/bcentre.

InterPro; IPR000608; UBQ-conjugat_E2.
 Gaps
Tetradon nigrovizidas (Green puffer).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Euteryota; Metorerygii; Teleostei; Buteleostei; Neoteleostei;

Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;

Tetradontoidea; Tetraodontidae; Tetraodon.
 ORFNames-PFL 5616;
Pseudomonas fluorescens (strain Pf-5).
Bacteria; Protecbacteria; Gammaprotecbacteria; Pseudomonadales;
Pseudomonadaceae; Pseudomonas.
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 STRAIN=PE-5;
PubMed=15980861; DOI=10.1038/nbt1110;
Paulsen I.T., Press C., Ravel J., Kobayashi D., Myers G.S.,
 Length 2135;
 76.0%; Score 38; DB 2; Length 213
62.5%; Pred. No. 1.7e+03;
tive 2; Mismatches 1; Indels
 2135 2135
2135 AA; 232729 MW; 399D0AA9A5FF8A53 CRC64;
 13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
 PROSITE; PS00152; ATPASE ALPHA BETA; UNKNOWN_1.
PROSITE; PS50127; UBIQUITIN_CONJUGAT_2; 1.
 112 AA.
 the early vertebrate proto-karyotype."; Nature 431:946-957(2004).
 InterPro, IPR000608; UBQ-conjugat_E
Bram, PP00179; UQ con; 1.
ProDom; PD000461; UBQ_conjugat; 1.
SMART; SM00212; UBCc; 1.
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MEDLINE-2238827; PubMedei1247932; DOI=10.1073/pnas.242603899;

X Riausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

X Klausner R.D., Collins F.S., Magner L., Shenmen C.M., Schuler G.D.,

X Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Heish F.,

X Diatchenko L., Marusina K., Parmer A.A., Rubin G.M., Hong L.,

X Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

X Diatchenko L., Marusina K., Parmer A.A., Rubin G.M., Hong L.,

X Diatchenko L., Marusina K., Parmer A.A., Rubin G.M., Hong L.,

X Diatchenko L., Marusina M., Pachers G.J., Abramacon R.D., Mullahy S.J.,

X Raha S.S., Loquellano N.A., Peters G.J., Abramacon R.D., Mullahy S.J.,

X Norderd S., Worley N.M., Sodergren B.J., Lu X., Gibbs R.A.,

X Nilalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

X Helton E., Ketteman M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

X Blakealey R.W., Touchman J.W., Green E.D., Dickson M.C.,

X Blakealey R.W., Touchman J.W., Green E.D., Dickson M.C.,

X Blakealey R.W., Touchman J.W., Garen E.D., Dickson M.C.,

X Butterffield Y.S., W. Krzywinski M.I., Skalska U., Smailus D.E.,

X Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

X Generation and initial analysis of more than 15,000 full-length human
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
 Takatsuna H., Kato H., Gohda J., Akiyama T., Moriya A., Okamoto Y., Yamagata Y., Otsuka M., Umezawa K., Semba K., Inoue J.; "Identification of TIFA as an adapter protein that Inns tumor necrosis factor receptor-associated factor 6 (TARF6) to interleukin-1 (IL-1) receptor-associated kinase-1 (IRAK-1) in IL-1 receptor
 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
TRAF-interacting protein with a forkhead-associated domain (TIFA)
(Putative NFKB activating protein) (Putative MAPK activating protein)
(Hypotherical protein tmp_locus_4).
Name=TIFA; Synonyms=tifa, tmp_locus_4,
Homo sapiens (Human).
 TISSUE-Lung;
MEDLINE-22646590; PubMed=12761501; DOI=10.1038/sj.onc.1206406;
MATSUME 2. Suzuki Y., Honda G., Muramatsu S., Matsuzaki O.,
Nagano Y., Doi T., Shimotohno K., Harada T., Nishida E., Hayashi H.,
 "Large-scale identification and characterization of human genes that activate NF-kappaB and MAPK signaling pathways.";
Oncogene 22:3307-3318(2003).
 NUCLEOTIDE SEQUENCE.
MEDLINE=22552471; PubMed=12566447; DOI=10.1074/jbc.M300720200;
 Waterston R.;
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
 Grewal N., Haglund K.;
"The sequence of Homo sapiens BAC clone RP11-73K9.";
Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
 NIH MGC Project;
Submitted (SEP-2001) to the EMBL/GenBank/DDBJ databases.
 Waterston R.H.;
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases
 Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
 signaling.";
J. Biol. Chem. 278:12144-12150(2003).
 and mouse cDNA sequences."
 TISSUE=Primary B-Cells,
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE
 NUCLEOTIDE SEQUENCE
 NUCLEOTIDE SEQUENCE
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 NUCLEOTIDE SEQUENCE
 WCBI_TaxID=9606;
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 Sugano S
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 MEDLINE=2242060; PubMed=12534463;
DOI=10.1046/j.1462-2920.2002.00366.x;
Dolson K.E., Weinel C., Paulsen I.T., Dodson R.J., Hilbert H.,
Martins dos Santos V.A.P., Fouts D.E., Gill S.R., Pop M., Holmes M.,
Brinkac L.M., Beanan M.J., DeBOy R.T., Daugherty S.C., Kolonay J.F.,
Madupu R., Nelson W.C., White O., Peterson J.D., Khouri H.M.,
Hance I., Chris Lee P., Holtzapple E.K., Scanlan D., Tran K.,
Moazzez A., Utterback T.R., Rizzo M., Lee K., Kosack D., Moestl D.,
Wedler H., Lauber J., Stjepandic D., Hoheisel J., Straetz M., Heim S.,
Kiewitz C., Eisen J.A., Timmis K.N., Duceterhoeft A., Tuemmler B.,
 Gaps
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Mavrodi D., DeBoy R.T., Seshadri R., Ren Q., Madupu R., Dodson R.J., Durkin S., Brinkac L.M., Daugherty S.C., Sullivan S.A., Rosovitz M., Gwinn M.L., Zhou L., Nelson W.C., Weidman J., Watkins K., Tran K., Khouri H.M., Pierson E., Pierson L. III, Thomashow L., Loper J.; Complete genome sequence of the plant commensal Pseudomonas
 Pseudomonas putida (strain KT2440).
Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
Pseudomonadaceae; Pseudomonas.
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 74.0%; Score 37; DB 2; Length 112; 62.5%; Pred. No. 1.2e+02; ive 2; Mismatches 1; Indels
 Length 112;
 "Complete genome sequence and comparative analysis of the
 1; Indels
 Nat. Biotechnol. 23:873-878(2005).
EMBL; CP000076; AAY94809.1; -; Genomic DNA.
SEQUENCE 112 AA; 12775 MW; 498847F69E9EE938 CRC64;
 112 AA; 12728 MW; 74F9D250F9CC8FAF CRC64;
 metabolically versatile Pseudomonas putida KT2440.";
Environ. Microbiol. 4:799-808(2002).
EMBL; AE016775; AAN66058.1; -; Genomic_DNA.
 Last sequence update)
Last annotation update)
 74.0%; Score 37; DB 2; L 62.5%; Pred. No. 1.2e+02; ive 2; Mismatches 1;
 184 AA
 112 AA
 01-UUN-2003 (TrEMBLrel. 24, Created)
01-UUN-2003 (TrEMBLrel. 24, Last seq
01-OCT-2003 (TrEMBLrel. 25, Last ann
 33 HUMAN
Q96CG3 HUMAN PRELIMINARY;
01-6CG3 (TrEMBLrel. 19, Created)
 Interpro; IPR001310; HIT.
PEam; PF01230; HIT; 1.
PIRSF; PIRSF000714; HIT; 1.
PRINTS; PR00323; HISTRIAD.
PROSITE; PS00892; HIT; 1.
 Ouery Match
Best Local Similarity 62.5-
Thea 5; Conservative
 QBOORO PSEPK PRELIMINARY,
QBBQRO;
 HIT family protein.
OrderedLocusNames=PP0428;
 5; Conservative
 104 QRQMINWPP 111
 104 QROMNWPP 111
 1 QORSNWPP 8
 NUCLEOTIDE SEQUENCE.
 HSSP; P80912; 4RHN.
TIGR; PP0428; -.
 1 QORSNWPP 8
 Local Similarity
 Complete proteome.
SEQUENCE 112 AA;
 Query Match
 PSEPK
 RESULT 18
Q96CG3_HUM
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NCBI_TaxID=10090;
 NUCLEOTIDE
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 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata; Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
Muroidea, Muridae, Murinae, Mus.
 Gaps
 01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus 10 days neonate cortex cDNA, RIKEN full-length enriched library, clone:A830039C13 product:hypothetical protein, full insert sequence. (Fragment).
Mame=Lanci3; Synonyns=6030463G20Rik;
Mus musculus (Mouse).
 Gaps
 Stokes H.W., Wield B.S., Mabbutt B.C., Nevalainen H., Holmes A.J., Gillings M.R.;
Gillings M.R.;
Movel and diverse integron-like gene cassettes are prevalent in
natural environments.";
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 Similarity 71.4%; Score 37; DB 2; Length 184; Similarity 71.4%; Pred. No. 2.1e+02; 5; Conservative 1; Mismatches 1; Indele
 74.0%; Score 37; DB 2; Length 189; 71.4%; Pred. No. 2.1e+02; ive 1; Mismatches 1; Indels
 Wilson R.K.; Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases. EMBL; BC014259; AAH14259.1; -; mRNA. EMBL; AB062110; BAB86502.1; -; mRNA. EMBL; AB067110; BAC77364.1; -; mRNA.
 Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases. EMBL; AF349078; AAK28593.1; -; Genomic_DNA.
 Hypothetical protein. SEQUENCE 184 AA; 21445 MW; 2E7FE091A52415B0 CRC64;
 189 AA; 21176 MW; C1D5341F9ADB56BB CRC64;
 01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
 189 AA
 mRNA.
Genomic_DNA.
 EMBL; AB097038; BAC77391.1; -; mRNA.
EMBL; AC109347; AAY40963.1; -; Genomic_I
Ensembl; ENSGG000145365; Homo sapiens.
InterPro; IPRO00253; FHA.
Pfam; PF00498; FHA, 1.
SMART; SM00240; FHA; 1.
 01-OCT-2003 (TrEMBLrel. 25, Last and
Hypothetical protein (Fragment).
uncultured organism.
unclassified; environmental samples.
NCBI_TaxID=155900;
 PRT;
 PRT;
 PSS0006, FHA DOMAIN; 1.
 QBBRN8 MOUSE PRELIMINARY;
QBBRN8;
 O991U7_9ZZZZ PRELIMINARY;
 Conservative
 150 QENNWPP 156
 Query Match
Best Local Similarity
5; Conserve
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146 QKRNWPP 152
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE
 Local Similarity
 2 QRSNWPP 8
 2 QRSNWPP 8
 SEQUENCE
 PROSITE;
 Query Match
 Matches
 QQBBRN8
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DD DD O11
DD DB NU
DD DB NB
GB BB
GB NB
GB NB
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
 Tanigami A., Fujiwara T., Shibahara T., Goto Y., Hirao M., Shimizu F. Wakebe H., Ono T., Hishigaki H., Matanabe T., Ozaki K., Sugiyama T., Irie R., Oto T., Hishigaki H., Wakamateu A., Ishii S., Yamamoto J., Ishi S., Xawai-H.O. Satio K., Nishikawa T., Kimura K., Yamashita H., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda K. Wagatsuma M., Murakawa K., Kanehori K., Takahashi-Fujii A., Oshima A. Sugiyama A., Kawakami B., Suzuki Y., Sugano S., Nagahari K., Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
 Similarity to unknown protein.
Arabidopsis thaliana (Mouse-ear cress).
Bukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
 NUCLECTIDE SEQUENCE.
MEDLINE=99290546; PubMed=9628582;
Sato S., Kaneko T., Kotani H., Nakamura Y., Asamizu E., Miyajima N.,
Tabata S.,
 "Structural analysis of Arabidopsis thaliana chromosome 5. IV. Sequence features of the regions of 1,456,315 bp covered by nineteen physically assigned Pl and TAC clones.";

DNA Res. 5:41-54(1998).
 05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Hypothetical protein FLJ42925 (LanC lantibiotic synthetase component
 TISSUE=Lung and heart;
MEDLINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaeffer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heiteh F.,
Diatchenko L., Marusina K., Parmer A.A., Rubin G.M., Hong L.,
 74.0%; Score 37; DB 2; Length 310; 85.7%; Pred. No. 3.5e+02; ive 0; Mismatches 1; Indels
 EMBL; AB009052; BAB08523.1; -; Genomic_DNA.
InterPro; IPR007823; DUF691 mtranefer.
Pfam, PF05148; Methyltranef 8; 1.
SEQUENCE 310 AA; 35647 mW; 5180C50B38D33324 CRC64;
 Last sequence update)
Last annotation update)
 Created)
 01-MAR-2001 (TrEMBLrel. 16,
01-MAR-2001 (TrEMBLrel. 16,
01-MAR-2004 (TrEMBLrel. 26,
 Q9FM44 ARATH
ID Q9FM44 ARATH PRELIMINARY;
 QEZV70 HUMAN PRELIMINARY;
QEZV70;
 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
 rISSUE=Substantia nigra;
 Homo sapiens (Human).
 QQMSNWP 118
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE
 1 QORSNWP 7
 NCBI_TaxID=3702;
 NCBI_TaxID=9606;
 Name=LANCL3;
 C-like 3)
 HUMAN
 RESULT 23
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 Yamada K., Chan M.M., Chang C.H., Dale J.M., Hsuan V.W., Lee J.M., Onodera C.S., Quach H.L., Tang C., Toriumi M., Wong C., Wu H.C., Yu G., Yuan S., Carninci P., Chen H., Cheuk R., Hayashizaki Y., Ishida J., Jones T., Kamiya A., Kawi Kim C.J., Narusaka M., Nguyen M., Palm C.J., Sakurai T., Satou M., Seki M., Shinn P., Southwick A., Tripp M.G., Wu T., Shinozaki K., Davis R.W., Ecker J.R.,
 Yamada K., Chan M.M., Chang C.H., Dale J.M., Hsuan V.W., Lee J.M., Yamada K., Chan M.M., Chang C., Toriumi M., Wong C., Wu H.C., Vondera C.S., Quach H.L., Tang C., Toriumi M., Wong C., Wu H.C., Yu G., Yuan S., Carninci P., Chen H., Cheuk K., Hayashizaki Y., Ishida J., Jones T., Kamiya A., Kawai J., Kim C.J., Narusaka M., Nguyen M., Palm C.J., Sakurai T., Satou M., Seki M., Shinn P., Southwaick A., Tripp M.G., Wu T., Shinozaki K., Davis R.W., Ecker J.R., Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H., Sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M., Tagawa A., Takaka A., Takaka M., Takaku-Akahira S., Takaka Y., Tanaka T., Tonaru A., Toya T., Yasuniahi A., Muramatsu M. Takabizaki Y.; Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases. EMBL; AKO43841; BAC31676.1; -; mRNA.
Ensembl; ENSMUSG00000047344; Mus musculus.
MGI; MGI:2443335; Lancl3.
 Gaps
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 Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots, rosids, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
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 74.0%; Score 37; DB 2; Length 287; 85.7%; Pred. No. 3.2e+02; ive 0; Mismatches 1; Indels
 74.0%; Score 37; DB 2; Length 239; 62.5%; Pred. No. 2.7e+02; ive 1; Mismatches 2; Indels
 Theologis A.;
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
 al protein.
287 AA; 32760 MW; D108B51393E964DE CRC64;
 239 AA; 27320 MW; B4499C9733CC0759 CRC64;
 01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein At5940530.
 287 AA.
 Arabidopsis thaliana (Mouse-ear cress).
 EMBL; BT002940; AA022753.1; -; mRNA. EMBL; BT004445; AA042439.1; -; mRNA. InterPro; IPR007823; DUF691_mtransfer. Pfam, PF03148; Methyltransf_8; 1. Hypothetical protein.
 InterPro; IPR07822; LANC like.
Pfam; PF05147; LANC like; 1.
Mypothetical protein.
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 5; Conservative
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 Best Local Similarity
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 Local Similarity
 SEQUENCE
 SEQUENCE
 Query Match
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388 AA

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OBCD19 MOUSE PRELIMINARY;
OBCD19;
 Nature 409:685-690(2001).
 NUCLEOTIDE SEOUENCE
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 NUCLEOTIDE SEQUENCE
 NUCLEOTIDE SEQUENCE
 NCBI_TaxID=10090;
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 01-MAR-2003
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Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., Mackernan K.J., Malek J.A., Gunarane P.J., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakeeley R.W., Touchman J.W., Green E.D., Dickson M.C., Schotz, Grimwood J., Schmitz J., Myers R.M., Butterfield Y.S.M., Krzywinski M.I., Skalska U., Smallus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A., "Gener than 15,000 full-length human and initial analysis of more than 15,000 full-length human
 Gaps
 Eukaryota, Metazoa, Nematoda, Chromadorea, Rhabditida, Rhabditoidea,
Rhabditidae, Peloderinae, Caenorhabditis.
 Gaps
 The C.briggaae Sequencing Consortium, Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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 Length 388;
 Length 419;
 74.0%; Score 37; DB 2; Length 388
62.5%; Pred. No. 4.4e+02;
ive 1; Mismatches 2; Indels
 1; Indels
 TISSUE-Lung and heart;
NIH MGC Project;
Submitted (APR-2015) to the EMBL/GenBank/DDBJ databases.
EMBL; AK124915; BAC85993.1; -; mRNA.
EMBL; BC093669; AAH93669.1; -; mRNA.
 EMBL, BC093667; AAH93667.1; -; mRNA.
InterPro; IPR007822; LANC_like.
Pfam; PF05147; LANC_like; 1.
SEQUENCE 388 AA; 42780 MW; C341A77B6F63AFA6 CRC64;
 419 AA; 48094 MW; 408F3DE8F3D34FB5 CRC64;
 25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical protein CBG00618 (Fragment).
 and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
 74.0%; Score 37; DB 2; I
71.4%; Pred. No. 4.8e+02;
ive 1; Mismatches 1;
 EMBL; CAACILLO00005; CAES7633.1; -; Genomic_DNA.
GO; GO:0046677; P:response to antibiotic; ĪEA.
InterPror; IRRO01465; Beta_lactamase.
FRam; PF00144; Beta_lactamase; 1.
Hypothetical protein.
 Query Match
Best Local Similarity 62.5°
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 Query Match
Best Local Similarity 71.*
Best Local Si Conservative
 Name=CBG00618;
Caenorhabditis briggsae.
 preliminary data.
 167 OKPNWPP 173
 NUCLEOTIDE SEQUENCE.
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 QRSNWPP 8
 1 QORSNWPP
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NUCLECOTIDE SEQUENCE.

TRAIN=C57BL/6J; TISSUE=Teatis;

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REDINES-1085660; PubMed=11217881; DOI=10.1038/35055500;

X Maraya J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,

Arawaa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,

Arawaa T., Hara A., Nishia K., Kiyosawa H., Kondo S., Yamanaka I.,

Saito T., Okazaki Y., Gojobori T., Bono H., Kaenkawa T., Saito R.,

Radota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,

Radota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,

Radota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,

Radota K., Okido T., Puruno M., Anno H., Badarelli R., Bareh G.,

Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,

Sakai K., Okido T., Puruno M., Anno H., Badarelli R., Bareh G.,

Blake J., Boffelli D., Bojunga N., Carninci P., Ge Bonaldo M.F.,

Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,

Austincich S., Hill D., Moshima J., Mazzarelli J., Mombaerts P.,

Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,

Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,

Nurshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,

Nurshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
 STRAIN=C57BL/6J; TISSUE=Testis;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs.";
Nature 420:563-573(2002).
 STRAIN=C57BL/6J; TISSUE=Testis;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
"Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus 13 days embryo male testis cDNA, RIKEN full-length
enriched library, clone:6030463G20 product:hypothetical protein, full
 STRAIN=CS7BL/62; TIGSUE=Testis;

MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;

Carnhoid P., Rayashizaki Y.;

"High-efficiency full-length cDNA cloning.";

Meth. Enzymol. 303:19-44(1999).
 STRAIN=C57BL/63; TISSUB=Testis;
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
Shibata K., Itoh M., Alzawa K., Nagaoka S., Sasaki N., Carninci P.,
Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
Yamamoto R., Matumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
 Hayashizaki Y., "Punctional annotation of a full-length mouse cDNA collection.",
 Name=Lancl3; Synonyme=6030463G20Rik; Mus musculus (Mouse).
Created)
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Gaps

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ARAIN-VPI-5482 / ATCC 29148;

XN 1. Sjursell M.K., Himrod J., Deng S., Carmichael L.K.,
XN 1. Sjursell M.K., Himrod J., Deng S., Carmichael L.K.,
XN 1. Sjursell M.K., Himrod J., Deng S., Carmichael L.K.,
XN Chiang H.C., Hooper L.V., Gordon J.I.;
Xn a genomic view of the human-Bacteroides thetaiotaomicron symbiosis.";
XI Science 299:2074-2076(2003).
XN EMBL; AE016946; AA079755-1; Genomic DNA.

GO; GO:0019866; C:inner membrane; IEA.

GO; GO:0019866; C:inner membrane; IEA.

GO; GO:001886; C:inner membrane; IEA.

GO; GO:001881; F:cation transporter activity; IEA.

GO; GO:001881; P:chloride transport; IEA.

GO; GO:001881; P:chloride transport; IEA.

GO; GO:001881; P:chloride transport; IEA.

RO; GO:001881; P:chloride CLC; I.

Romm: PPROSES TRKAC;

ROME PEAM: PPROSES TRKAC;

ROME PEAM: PROSES TRKAC;

ROME PEAM: P
 STRAIN=FGSC A4;
Birren B., Nusbaum C., Abouelleil A., Allen N., Anderson S.,
Arachofi H.M., Barnen N., Bastien V., Bloom T., Boguslavkiy L.,
Boukhgalter B., Butler J., Calvo S.E., Camarata J., Chang J.,
Choepel Y., Collymore A., Cook A., Cooke P., Corum B., DeArellano K.,
 Bukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
Burotiales; Trichocomaceae; Emericella.
NCBI_TaxID=227321;
 Bacteroides thetaiotaomicron.
Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;
Bacteroidaceae; Bacteroides.
 Length 524;
 Indels
Indels
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 01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last annotation update)
Voltage-gated chloride channel protein.
OrderedLocusNames=BT4650;
 Last sequence update)
Last annotation update)
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 74.0%; Score 37; DB 2; 62.5%; Pred. No. 6e+02; iive 1; Mismatches
 731 AA
 524 AA
Mismatches
 Created)
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 Q5BGBB_EMENI PRELIMINARY;
Q5BGBB;
10-MAY-2005 (TrEMBLrel. 30, L
10-MAY-2005 (TrEMBLrel. 30, L
10-MAY-2005 (TrEMBLrel. 30, L
Hypothetical protein.
ORFNames=ANO412.2;
 PRINTS; PR00762; CLCHANNEL.
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 176 QOVPNWPP 183
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 1 QQRSNWPP 8
 NUCLEOTIDE SEQUENCE
 Complete proteome.
SEQUENCE 524 AA;
 1 QORSNWPP
 NCBI_TaxID=818;
 Query Match
 RESULT 28
Q5BGB8_EMENI
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 Adachi J., Aizawa K., Akimura T., Arakawa T., Bono H., Carninci P., Putuda S., Puruon M., Hanagaki T., Hara A., Hashizume W., Putuda S., Puruon M., Hanagaki T., Hara A., Hashizume W., Putuda K., Puruon M., Hanagaki T., Hiracka T., Hirazane T., Hayatsu M., Hiracka T., Hirazane T., Hayatsu M., Hayatsu T., Konno H., Konno H., Konda M., Koya S., Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M., Koya S., Nushi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Canaki Y., Saito R., Saito H., Sakai C., Sakazume N., Sano H., Asasi D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M., Tagawa A., Takahashi F., Takaku-Akahira S., Takeda Y., Tanaka T., Towaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.; Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; MG1:2443335; 6030463G20Rik.

MG1: MG1:2443335; Lancli.

InterPro; IPRO07822; LANC like.

Pfam; PPOSITY: LANC like.

Pfam; PPOSITY: LANC like.

WHypothetical protein.
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 Caenorhabditis elegans.
Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.; "RIKEN integrated sequence analysis (RISA) system-184-format sequencing pipeline with 384 multicapillary sequencer."; Genome Res. 10:1757-1771(2000).
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 STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916;
The C-legans sequencing consortium;
"Genome sequence of the nematode C. elegans: a platform for
 74.0%; Score 37; DB 2; Length 420; 62.5%; Pred. No. 4.8e+02; ive 1; Mismatches 2; Indels
 Score 37; DB 2; Length 429;
Pred. No. 4.9e+02;
 investigating biology.";
Science 281:2012-2018(1998).
EMBL; Z66523; CAA91413.1; -; Genomic_DNA.
PIR; T23734; T23734.
Remembl; M05D6.4; Caenorhabditis elegans.
Wormpep; M05D6.4; Caenorhabditis elegans.
Wormpep; M05D6.4; CE03502.
GO; GO:0046677; P:response to antibiotic; IEA.
Interpro; IPR012338; PBP_TeppL_fold.
Interpro; IPR012338; PBP_TeppL_fold.
Refan; PF00144; Beta-lactamase.
Refan; PF00144; Beta-lactamase.
Complete proteome; Mypothetical protein.
SEQUENCE 429 AA; 49128 MW; 0BD762B3144C39E8 CRC64;
 22_CAREL

Q21523_CAREL PRELIMINARY; PRT; 429 AA.

Q21523-1906 (TrEMBLrel. 01, Created)

01-NOV-1996 (TrEMBLrel. 01, Last sequence update)

01-JUN-2003 (TrEMBLrel. 24, Last annotation update)

Hypothetical protein M05D6.4.
 NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA]
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75.0%;
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 271 EQNCNWPP 278
 1 QORSNWPP 8
 NUCLEOTIDE SEQUENCE
 Query Match
Best Local Similarity
 NCBI_TaxID=6239;
 Query Match
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Matches

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Gaps

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RESULT 26
O21523 CAB
O20152
AC 02152
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 A Birren B., Nubbaum C., Abouelleil A., Allen N., Anderson S., Arachchi H.M., Barran N., Bastien V., Bloom T., Boguslavkiy L., Arachchi H.M., Barran N., Bastien V., Bloom T., Boguslavkiy L., Boukhgaller B., Buller J., Calvo S.B., Camarate J., Chang J., Chang J., Chang J., Chang J., Chang J., Chang J., Chang J., Chang J., Chang J., Chang J., Bodge S., Dooley K., Dorris L., Elkins T., Engels R., A Erickson J., Ferreira P., FitzGerald M., Gage D., Galagan J., A Hagopian D., Hagos B., Hall J., Horton L., Hulme W., Illev I., A Hagopian D., Hagos B., Hall J., Horton L., Hulme W., Illev I., RA Jaffe D., Johnson R., Jones C., Kamal M., Kanat A., Karatas A., Ratates A., Ratage J., Ratates A., Ratates A., Ratage J., Ratage-Thomann N., Schanoric N., Stubbs M., Ramalaman J., Schauber J., Treavers M., Travers M., Vendry G., Wallson B., Ra Vassiliev H., Venkataraman V.S., Viel R., Vo A., Wang S., Wilson B., Ra V., Wyman D., Young G., Zainoun J., Zembek L., Zimmer A., Zody M.,
 Gaps
 "Genome Sequence of Aspergillus nidulans.";
Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
 ö
 Gibberella zeae PH-1.

Bukaryota, Fungi, Ascomycota, Pezizomycotina, Sordariomycetes,
Hypocreomycetidae, Hypocreales, Nectriaceae, Gibberella.
 Length 731;
 0; Indels
 preliminary data.

EMBL, AACD01000007; EAA66511.1; -; Genomic_DNA.

Hypothetical protein.

SEQUENCE 731 AA; 81032 MW; 80A499AA385EF87C CRC64;
 Last sequence update)
Last annotation update)
 74.0%; Score 37; DB 2; I
83.3%; Pred. No. 8.4e+02;
 1; Mismatches
 Created)
 13-SEP-2005 (TrEMBLrel, 31, 13-SEP-2005 (TrEMBLrel, 31, 13-SEP-2005 (TrEMBLrel, 31, Hypothetical protein. ORFNames=FG01533.1;
 Q4IMMS_GIBZE PRELIMINARY;
Q4IMMS;
 Query Match
Best Local Similarity 83.3°
 NUCLEOTIDE SEQUENCE.
 440 RTNWPP 445
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 3 RSNWPP
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 Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Culicidae;
Anophelinae; Anopheles.
NCBI_TaxID=180454;
 13
 The Anopheles gambiae Sequence Committee;
Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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"Fusarium graminearum genome sequence.";
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
 Length 796;
 Length 762;
 74.0%; Score 37; DB 2; Length 796
75.0%; Pred. No. 9.2e+02;
tive 1; Mismatches 1; Indels
 0; Indels
 "Anopheles gambiae re-annotation.";
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
 preliminary data.

EMBL; ACKMO1000077; EAA68159.1; -; Genomic_DNA.

Hypothetical protein.

SEQUENCE 762 AA; 84643 MW; 4E2FA74798C5F764 CRC64;
 796 AA; 88628 MW; 753BAF9863B1F6F1 CRC64;
 Last sequence update)
Last annotation update)
 Score 37; DB 2; I
Pred. No. 8.8e+02;
3; Mismatches 0
 preliminary data.
EMBL; AAAB01008964; EAA12375.2; -; Genomic_DNA
 816 AA.
 Interpro; IPR001680; WD40.
Pfam; PF00400; WD40; 4.
PRINTS; PR00320; GPROTEINBRPT.
SMART; SN00320; WD40; 6.
PROSITE; PS00678; WD REPEATS 1; UNKNOWN_2.
PROSITE; PS50082; WD REPEATS_2; 2.
PROSITE; PS50294; WD REPEATS_REGION; 2.
 STRAIN=PEST; The Anopheles gambiae Sequence Committee;
 O28331 ARCFU DRELIMINARY; PRT; AC 028331, DT 01-JAN-1998 (TrEWBLrel. 05, Created)
 Created)
 74.0%;
62.5%;
 ENSANGP00000007067 (Fragment)
ORFNames=ENSANGG0000005326;
Anopheles gambiae str. PEST.
 01-MAR-2004 (TrEMBLrel. 26, 01-MAR-2004 (TrEMBLrel. 26, 01-MAR-2004 (TrEMBLrel. 26, 01-MAR-2004 (TrEMBLrel. 26,
 O ANOGA
Q7Q3SO_ANOGA PRELIMINARY;
 5; Conservative
 6; Conservative
 Repeat; WD repeat. __
NON_TER 796 796
 449 QOFSDWPP 456
 30 QRQSDWPP 37
 NUCLEOTIDE SEQUENCE.
 1 QORSNWPP 8
 NUCLEOTIDE SEQUENCE.
 1 QQRSNWPP 8
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Matches 5; Conserv
 Best Local Similarity
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 Bll1570 protein.
 NCBI_TaxID=375
 Tabata S.;
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 QBRYY8 ORYSA
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 TERMINE-96049343; PubMed=9389475; DOI=10.1038/37052;

X MEDLINE=98049343; PubMed=9389475; DOI=10.1038/37052;

X Klank H.-P., Claryon R.J., Tomb J.-F., White O., Nelson K.E.,

X Ketchum K.A., Dodson R.J., Gwinn M.L., Hickey E.K., Peterson J.D.,

R Richardson D.L., Kerlavage A.R., Graham D.E., Kyrpides N.C.,

R Richardson D.L., Oudekenbush J., Lee N.H., Sutfon G.G., Gill S.R.,

Kirkness E.F., Dougherty B.A., McKenney K., Adams M.D., Loftus B.J.,

R Kirkness E.F., Dougherty B.A., McKenney K., Adams M.D., Loftus B.J.,

R Abou L., Overbeek R., Gocayne J.D., Weidman J.F., McDonald L.A.,

Uterback T.R., Cotton M.D., Spriggs T., Artiach P., Kaine B.P.,

Sykes S.M., Sadow P.W., D'Andrea K.P., Bowman C., Fujii C.,

Mosee C.R., Venter J.C.,

Woese C.R., Venter J.C.,

T reducing archaeon Archaeoglobus fulgidus.";
 Gaps
 Dungan J., Kuo A., Newport G., Lan C.-Y., Iijima C., Adegbola O., Roberts J., Persson K., Donnelly S., Favoreto S., Tzung K.-W., Chones T., Scherer S., Agabian N.; albicans.", "Annotation of the Genome of Candida albicans."; Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
 STRAIN=SC5314;

Ubbdcd=1522810;

Jones T., Federapiel N.A., Chibana H., Dungan J., Kalman S.,

Magee B.B., Newport G., Thorstenson Y.R., Agabian N., Magee P.T.,

Davis R.W., Scherer S.;

"The diploid genome sequence of Candida albicans.";

Proc. Natl. Acad. Sci. U.S.A. 101:7329-7334(2004).
 Eukaryota, Fungi, Ascomycota, Saccharomycotina, Saccharomycetes;
Saccharomycetales, mitosporic Saccharomycetales, Candida.
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 74.0%; Score 37; DB 2; Length 816; 83.3%; Pred. No. 9.4e+02; ive 1; Mismatches 0; Indels
 InterPro; IPR001545; Gly_hormoneB.
PR051TE; PS00261; GLYCO HORMONE BETA_1; UNKNOWN_1.
Complete proteome: Hypothetical_protein.
SEQUENCE 816 AA; 90267 MW; D595B135239C92FA CRC64;
 Archaea; Euryarchaeota; Archaeoglobi; Archaeoglobales;
 10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
Potential mitochondrial protein Fmp27.
Name=FMP27: ORFNames=Ca019.10926, Ca019.3422;
Candida albicans SCS314.
Last sequence update)
Last annotation update)
 PRT; 2568 AA
 Nature 390:364-370(1997).
EMBL; AE000968; AAB89308.1; -; Genomic_DNA.
PIR; C69493; C69493.
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 Archaeoglobaceae; Archaeoglobus
01-JAN-1998 (TrEMBLrel. 05, I
01-MAR-2004 (TrEMBLrel. 26, I
Hypocherical protein AF1948.
OrderedLocusNames=AF1948;
 10-MAY-2005 (TrEMBLrel. 30,
 QSA4MO_CANAL PRELIMINARY;
QSA4MO;
 Best Local Similarity 83.3
Matches 5, Conservative
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 NUCLEOTIDE SEQUENCE.
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 775 RTNWPP 780
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 3 RSNWPP 8
 NCBI_TaxID=2234;
 STRAIN-SC5314;
 TIGR; AF1948;
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 STRAIN=USDA 110;
MEDLINE=2248498; PubMed=12597275;
Raneko T., Nakamura Y., Sato S., Minamisawa K., Uchiumi T.,
Kaneko T., Nakamahe A., Idesawa K., Iriguchi M., Kawashima K.,
Sasamoto S., Watanabe A., Idesawa K., Iriguchi M., Kawashima K.,
Kohara M., Matsumoto M., Shimpo S., Tsuruoka H., Wada T., Yamada M.,
 01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
01-OCT-2002 (TrEMBLrel. 22, Last annotation update)
00-00-12 protein.
Name=P0648C09.12;
0ryza sativa (japonica cultivar-group).
Bukaryota; viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzeae; Oryzea.
 Sasaki T., Matsumoto T., Yamamoto K.; Subaki T., Matsumoto T., Yamamoto K.; Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Calmodulin mediates the control of a large number of enzymes by Ca(2+). Among the enzymes to be stimulated by the calmodulin-ca(2+) complex are a number of protein kinases and phosphatases (By similarity).

EMBL; AP003922: BAB86223.1; -; Genomic_DNA.
 "Complete genomic sequence of nitrogen-fixing symbiotic bacterium Bradyrhizobium japonicum USDA110.";
DNA Res. 9:189-197(2002).
BRBL; BAO00040; BAC46835.1; -; Genomic_DNA.
Complete proteome.
SEQUENCE 4108 AA; 441546 MW; EB66CA2B5D69A537 CRC64:
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 74.0%; Score 37; DB 2; Length 2568; 83.3%; Pred. No. 3e+03; ive 1; Mismatches 0; Indels
 Bradyrhizobium japonicum.
Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae; Bradyrhizobium.
 74.0%; Score 37; DB 2; Length 4108; 83.3%; Pred. No. 4.9e+03; cive 1; Mismatches 0; Indels
EMBL; AACQ01000065; EAK97678.1; -; Genomic_DNA.
EMBL; AACQ01000064; EAK97741.1; -; Genomic_DNA.
SEQUENCE 2568 AA; 295557 MW; 16E9A1E5C75F1492 CRC64;
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 01-JUN-2003 (TrEMBLrel. 24, 01-JUN-2003 (TrEMBLrel. 24, 01-JUN-2003 (TrEMBLrel. 24,
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 2568 AA;
 Best Local Similarity
 3 RSNWPP 8
 3 RSNWPP 8
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Nat. Genet. 36:40-45(2004)
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 A Birren B., Nuebaum C., Abebe A., Abouelleil A., Adekoya E.,

A Mit-zahra M., Allen N., Allen T., An P., Anderson M., Anderson S.,

Arachchi H., Armbruster J., Bachantsang P., Baldwin J., Barry A.,

Bayul T., Blitchisteyn B., Balcom T., Blye J., Baddwin J., Barry A.,

Bayul T., Blitchisteyn B., Balcom T., Blye J., Baddwin J., Barry A.,

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Bavid R., Dorris L., Duffer N., Dodge S., Dooley K., Dorle P.,

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Rangolan D., Hagos B., Hall J., Hatcher B., Haller A., Hagins H.,

Rangopian D., Hagos B., Hall J., Hatcher B., Haller A., Haigins H.,

Rangopian D., Landers T., Leger J., Levine S., Cavillows E., Labutti K.,

Lama D., Landers T., Leger J., Levine S., Lewis D., Lewis T.,

Lui A., Ma L.J., Mabbitt R., Macdonald J., Maclean C., Major J.,

Morathy M., Mcdonough S., Mcghee T., Mikkelsen T., Mancel S.,

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Noyben N., Minlain V., Mense M., Naileen C., Nizzari M., Norbu C.,

Noyben N., Minlain V., Mense S., Perrin D., Phunkhang P., Piqani B.,

Purcell S., Rachubbach R., Samasa W., Ramesa C., Sattipe T.,

Sheridan J., Sherpa N., Shi J., Smirnov S., Smith C., Sougnez C.,

Sheridan J., Sherpa N., Shi J., Smirnov S., Smith C., Sougnez C.,

Specienc R., Stone S., Theodore J., Thouluteang Y., Topham K.,

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Rates R., Starker C., Wilkinson J., Wa Wang S.,

Rangol T., Whittaker C., Wilkinson J., Wa Wang S.,

Rangol T., Stonger C., Wilkinson J., Wa Wang S., Wang S., Yang S., Yang X., Yeager S., Yee B., Young S.,

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 Gaps
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 Magnaporthe grisea 70-15.
Eukaryota, Fungi, Ascomycota, Pezizomycotina, Sordariomycetes,
Sordariomycetes incertae sedis, Magnaporthaceae, Magnaporthe.
 72.0%; Score 36; DB 2; Length 77; 71.4%; Pred. No. 1.2e+02; ive 2; Mismatches 0; Indels
 "The genome sequence of Magnaporthe grisea.";
Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
[2]
 77 AA; 8746 MW; B6083B3B72863737 CRC64;
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Last annotation update)
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GO: 00:005509; F:calcium ion binding; IEA.
InterPro; IPR002048; EF hand Ca_bd.
ProDom; PD000012; EF-hand; 1.
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13-SEP-2005 (TrEMBLrel. 31,
13-SEP-2005 (TrEMBLrel. 31,
Hypothetical protein.
 Q512M4 MAGGR PRELIMINARY;
Q512M4;
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Matches 5; Conservative
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43 RRSHWPP 49
 ORFNames=MG06012.4;
 NCBI_TaxID=242507;
 2 ORSNWPP 8
 Gramene; Q8RYY8;
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RY A CT T. Niehikawa T., Otsuki T., Sugiyama T., Irie R.,

RY A CT T., Salto K., Sato H., Nagai K., Kimura K., Makita H.,

RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,

RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,

RA Salto K., Kawai Y., Isono Y., Nakamura Y.,

RA Magahari K., Murakami K., Yokoi T., Furuya T., Kikkawa E.,

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RA Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K.,

RA Yamazaki M., Ninomiya K., Takahashi M., Haraoka S., Chiba Y.,

Rusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O.,

RA Ishida S., Ono Y., Takapuchi S., Watanabe S., Yosida M., Hotuta T.,

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Nomura Y., Matsunawa H., Satoh N., Takami S., Terashima Y., Sano S.,

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RA Nakagawa S., Senoh A., Mizoguchi H., Tanigami A., Pujiwara T.,

RA Hishigaki H., Watanabe T., Sujuyama A., Takemoto M., Kawakami B.,

RA Hishigaki H., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y.,

RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,

RA Atsumura K., Nakajima Y., Moguchi S., Itoh T., Shigeta K., Senba T.,

A Rabibmura K., Nakajima Y., Matanabe M., Komatsu T.,

RA Hushighma H., Watanabe T., Shigha Y., Takahashi Y., Yamashita R.,

RA Matsumura K., Nakajima Y., Matanabe M., Komatsu T., Shabano S.,

Rabushima -Sugano J., Satoh T., Shizai Y., Takahashi Y., Yamashita R., Nomple H., Nomple M., Kakuchi H., Masuho Y., Yamashita R., Nomple H., Nomple M., Kakuchi H., Nasahita R., Nomple H., Nomple M., Kakuchi H., Nasahita R., Nakai H., Nakamura Y., Ohara O., Isogai T., Shaga I., Nomple M., Nakai M., Shani H., Nakamura Y., Ohar
 homo appteus inqumany.
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
 Gape
 STRAIN=70-15;
Zhu H., Blackmon B.;
Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
 ö
 72.0%; Score 36; DB 2; Length 121; 71.4%; Pred. No. 2e+02; 1; Indels ative 1; Mismatches 1; Indels
STRAIN=70-15;
Dean R., Mitchell T., Brown D., Pan H., Thon M.;
Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
 Hypothetical protein.
SEQUENCE 121 AA; 12736 MW; A796D6B3172B8F53 CRC64;
 Created)
Last sequence update)
Last annotation update)
 preliminary data.
EMBL; AACU01000851; EAA52884.1; -; Genomic_DNA.
 155 AA
 PRT;
 Hypothetical protein FLJ11699.
Homo sapiens (Human).
 01-MAR-2001 (TrEMBLrel. 16, 01-MAR-2001 (TrEMBLrel. 16, 01-OCT-2003 (TrEMBLrel. 25,
 Q9HAG2 HUMAN PRELIMINARY;
 5; Conservative
 [3]
NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE.
 55 RRRIWPP 61
 2 QRSNWPP 8
 Sest Local Similarity
 NCBI_TaxID=9606;
 Query Match
 HUMAN
 Matches
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The Anopheles gambiae Sequence Committee;
Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.

EMBL, AAAB01008960; EAL40071.1; -; Genomic_DNA.

GO; GO:0016787; F:hydrolase activity; IEA.
InterPro; IPR006616; DUF_DM9.
SMART; SM00696; DM9; 3.
SEQUENCE 219 AA; 23764 MW; 7F871B5850F765E0 CRC64;
 "Anopheles gambiae re-annotation.";
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
 The Anopheles gambiae Seguence Committee;
 S ANGGA
Q7Q5J5_ANGGA PRELIMINARY;
 Best Local Similarity 100. Matches 6; Conservative
 Best Local Similarity 100.
Matches 6; Conservative
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE.
 NUCLEOTIDE SEQUENCE
 NUCLEOTIDE SEQUENCE
 145 QQRSNW 150
 146 QQRSNW 151
 NCBI_TaxID=180454;
 1 QORSNW 6
NCBI_TaxID=180454;
 1 QQRSNW 6
 STRAIN-PEST;
 STRAIN=PEST;
 Query Match
 Query Match
 RESULT 39
Q7Q5J5_ANO
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 Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
 Anopheles gambiae str. PEST.
Eukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Pterygota,
Neoptera, Endopterayota, Diptera, Nematocera, Culicoidea, Culicidae,
Anophelinae, Anopheles.
 Gaps
 Gaps
 HSSP, P20339; 1R20.
Ensembl; ENSG0000169236, Homo sapiens.
Ensembl; ENSG0000169236, Homo sapiens.
Ensembl; ENSG0000169236, Homo sapiens.
GO; GO:0005525; F:GTP binding); IEA.
GO; GO:0007264; P:small GTPase mediated signal transduction; IEA.
InterPro; IPR001806; Ras_trnsfrmng.
Fran, P80071; Ras; 1.
FRINTS; PR00449; RASTRNSFRNG.
GTP-binding; Nucleotide-binding.
SEQUENCE 155 AA; 17065 MW; 68FC0D0EDE9B842F CRC64;
 Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF258583; AAG23786.1; -; mRNA.

EMSP; B23939; 1KY3.

Ensembl; ENSO0000169226; Homo sapiens.

GO; GO:0005225; F:GTP binding; IEA.

GO; GO:007264; P:small GTPase mediated signal transduction; IEA.

InterPro: IPRO01806; Ras trnsfrung.

InterPro: IPRO05225; Small_GTP.
 Qin W.X., Zhou X.M., Zhang P.P., Jiang H.Q., Huang Y., Wan D.F., Gu J.R.;
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 72.0%; Score 36; DB 2; Length 184; 71.4%; Pred. No. 3e+02; ive 2; Mismatches 0; Indels
 72.0%; Score 36; DB 2; Length 155; 71.4%; Pred. No. 2.5e+02; tive 2; Mismatches 0; Indels
 PRINTS; PRO0449; RASTRNSFRANG.
TIGRPAMB; TIGR00231; small GTP; 1.
GTP-binding; Wucleotide-binding; Wusleotide-binding; WCG-0518 WW; 631E895869525760 CRC64;
 OFTGZZ ANOGA PRELIMINARY; PRT; 219 AA. 05TGZZ.
OFTGZZ.
O1-FEB-2005 (TrEMBLrel. 29, Created)
O1-FEB-2005 (TrEMBLrel. 29, Last sequence update)
O1-FEB-2005 (TrEMBLrel. 29, Last annotation update)
ENSANGPO000025584.
ORFNames=ENSANGG0000018522;
 Last sequence update)
Last annotation update)
 184 AA.
 PRT;
 Created)
 EMBL; AK021761; BAB13887.1; -; mRNA.
 01-MAR-2002 (TrEMBLrel. 20,
01-MAR-2002 (TrEMBLrel. 20,
01-OCT-2003 (TrEMBLrel. 25,
 Q8wy67_HUMAN PRELIMINARY;
Q8wy67;
 Query Match
Best Local Similarity 71.4
Matches 5; Conservative
 5; Conservative
 NUCLEOTIDE SEQUENCE.
 :||:|||
149 RRSSWPP 155
 :||:|||
178 RRSSWPP 184
 2 ORSNWPP 8
 2 QRSNWPP 8
 Best Local Similarity
 NCBI_TaxID=9606;
 Query Match
 HUMAN
 RESULT 38
0517022 ANO
1D 051702
AC 05102
AC 05102
DT 01-FE
DT 01-FE
DT 01-FE
DT 01-FE
OC NEWAY
OC RUKAY
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 01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
ENSANGPO0000021011 (Frament)
0RFNames=ENSANGG0000018522;
Anopheles gambiae str. PEST.
Bukaryota, Metazoa, Arthropoda; Hexapoda; Insecta; Pterygota;
Anophera; Endopterygota; Diptera; Nematocera; Culicoidea; Culicidae;
Anophelinae; Anopheles.
 Gaps
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 ö
 72.0%; Score 36; DB 2; Length 289; 100.0%; Pred. No. 4.8e+02; ive 0; Mismatches 0; Indels
72.0%; Score 36; DB 2; Length 219; 100.0%; Pred. No. 3.6e+02; tive 0; Mismatches 0; Indels
 The Anopheles gambiae Sequence Committee, "Anopheles gambiae re-annotation."; Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
 NON TER 1 1 SEQUENCE 289 AA; 31105 MW; D644C62FB11D2940 CRC64;
 preliminary data.
EMBL; AAABO1008960; BAA11407.2; -; Genomic_DNA
EMART; SM00696; DM9; 4.
 289 AA
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RC STRAIN-521;

RAID HOLD WILL SEQUENCE.

RAITER B., Nubboun C., Abebe A., Abouelleil A., Adekoya E.,

RAITER B., Nubboun C., Abebe A., Abouelleil A., Adekoya E.,

RA Ait-zahra M., Allthan W., Allen T., An P., Anderson M., Anderson S.,

RA Arachchi H., Armbruster J., Bachantsang P., Baldwin J., Barry A.,

RA Borowsky M., Boukhgaleer B., Bloom T., Bly 9J., Booguslavskiy L.,

RA Borowsky M., Boukhgaleer B., Brunache A., Eutler J., Calixte N.,

Collymore A., Considine T., Cook A., Cooke P., Corum B., Culroon C.,

RA Barickson J., Farina A., Faro S., Podge S., Dooley K., Doris P.,

Rollymore A., Corsidine T., Cook A., Elscher H.,

Raiter B., Rollew N., Flager B., Rereira B., Flacher H.,

Rickson J., Farina A., Faro S., Ferreira B., Heller A., Higgins H.,

Rolls C., Kana M., Kianer P., Kodira C., Kanaba B., Haller J., Hulme W., Husby E., Illev I.,

Ra Jaffe D., Jones C., Kanal M., Kanat A., Kamyseslis M., Karlsson E.,

Ran D., Landers T., Leger J., Levine S., Lewis D., Lewis T.,

Ran Jaffe C., Kana M., Kisner P., Kodira C., Kulbokas E., Labutti K.,

Lumblad-toh K., Liu X., Lokyitsang T., Lokyitsang Y., Lucien O.,

Lundblad-toh K., Liu X., Lokyitsang T., Lokyitsang Y., Lucien O.,

Ran Mccarthy M., Mcdonough S., Mcdyne C., Maucell E.,

Mozerthy M., Mcdonough S., Mcdyne T., Mikkelsen T., Menga V.,

Ran Moryen N., Winner P., Worder T., Makkelsen T., Malora D., Panat B.,

Roberthy M., William Y., Nalon R., Nalon S., Smith C., Sougnes C.,

Roberthy M., Nuyuen T., Nicol R., Nielsen C., Nalon S.,

Roberthy M., Nuyuen T., Nicol R., Nielsen C., Rouses D., Raneau S.,

Roberth R., Rachupka T., Ramesamy U., Rameau R., Ray V., Raymond C.,

Retter R., Richardson S., Rise C., Settipalli S., Schape T.,

Spencer B., Stalker J., Seamen C., Settipalli S., Sharpe T.,

Retten R., Richardson S., Rise C., Settipalli S., Wann N., Venkataxaman V., Vinson J., Vo A., Wande C., Wang S., Wang S., Yang S.
 CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
 Ustilago maydis 521.
Eukaryota; Fungi; Basidiomycota; Ustilaginomycetes;
Ustilaginomycetidae; Ustilaginales; Ustilaginaceae; Ustilago.
NCBI_TaxID=237631;
 72.0%; Score 36; DB 2; Length 314; 75.0%; Pred. No. 5.2e+02; ive 1; Mismatches 1; Indels
 "The genome sequence of Ustilago maydis.";
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
 EMBL; AACP01000079; EAK83289.1; -; Genomic_DNA.
InterPro; IRR000379; Ser_estre.
Hydrolaes; Hypothetical protein.
SEQUENCE 314 AA; 35311 MW; ADCBDB8A62FE8808 CRC64;
 13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Hypothetical protein.
ORFNames=UM02167.1;
 314 AA.
 PRT;
 Q4PCJ6 USTMA PRELIMINARY, Q4PCJ6;
 Query Match
Best Local Similarity 75.0
Matches 6; Conservative
 preliminary data.
 NUCLEOTIDE SEQUENCE.
USTMA
 Q4PCJ6
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242 QORKNEPP 249

1 QORSNWPP 8

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Search completed: December 14, 2005, 07:30:56 Job time : 47.1724 secs

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December 14, 2005, 07:31:09 ; Search time 78.1101 Seconds (without alignments) 669.389 Million cell updates/sec
 US-10-720-323-7
623
1 QVQLVESGGGVVQPGRSRRL......ARGSYAFDIWGQGTMVTVSS 119
 2443163
GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
 Total number of hits satisfying chosen parameters:
 2443163 segs, 439378781 residues
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
 OM protein - protein search, using sw model
 BLOSUM62
Gapop 10.0 , Gapext 0.5
 geneseqp1980s:*
geneseqp1980s:*
geneseqp2000s:*
geneseqp2001s:*
geneseqp2001as:*
geneseqp2003as:*
geneseqp2004s:*
 Minimum DB seq length: 0
Maximum DB seq length: 200000000
 A_Geneseq_21:*
 Copyright
 Perfect score:
 Scoring table:
 Database :
 Sequence:
 Searched:
 Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

|           | 1000 C        |     | Aau76333 Human ant | Aau81993 Human sec | Ada89270 Human ant | Aay08598 Anti-huma | Adl70773 Anti-TNFa | Aar95216 Human foe |          | Adg95925 Single ch | _        |          | Adp47222 Human pho | Prost    | Aeb27753 Anti-pros |          | Adp03962 Murine-ex | Aau02501 Anti-adip | Adp47221 Human pho | Amino    | Ads82561 Anti-IL-2 | Ads82563 Anti-IL-2 | Ada89174 Human ant | Adp22136 Human ant | Adp46947 Murine he | Aay93734 The heavy |
|-----------|---------------|-----|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|--------------------|----------|----------|--------------------|----------|--------------------|----------|--------------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| SUMMARIES | Ę             |     | AAU76333           | AAU81993           | ADA89270           | AAY08598           | ADL70773           | AAR95216           | ABP45098 | ADG95925           | AAE32095 | ABR55797 | ADP47222           | AEB27733 | AEB27753           | ADP47106 | ADP03962           | AAU02501           | ADP47221           | ADV67314 | ADS82561           | ADS82563           | ADA89174           | ADP22136           | ADP46947           | AAY93734           |
|           | Ë             | 3 : | Ŋ                  | Ŋ                  | φ                  | 7                  | 8                  | ~                  | 'n       | 7                  | 9        | <b>9</b> | œ                  | σ        | σ                  | œ        | 7                  | 4                  | æ                  | 6        | œ                  | ω                  | ø                  | œ                  | œ                  | m                  |
|           | Length        |     | 119                | 519                | 123                | 223                | 223                | 119                | 249      | 249                | 119      | 128      | 119                | 119      | 245                | 119      | 121                | 120                | 121                | 141      | 118                | 242                | 120                | 124                | 128                | 451                |
| *         | Query         |     | 100.0              | 88.3               | 88.1               | 87.7               | 87.2               | 87.2               | 87.1     | 87.1               | 87.0     | 86.9     | 96.6               | 86.5     | 86.5               | 86.4     | 86.4               | 86.3               | 86.3               | 86.3     | 86.0               | 86.0               | 86.0               | 86.0               | 85.9               | 85.9               |
|           | Score         |     | 623                | 550                | 549                | 546.5              | 543.5              | 543                | 542.5    | 542.5              | 542      | 541.5    | 539.5              | 539      | 539                | 538.5    | 538                | 537.5              | 537.5              | 537.5    | 536                | 536                | 535.5              | 535.5              | 535                | 535                |
|           | Result<br>No. |     | 7                  | 7                  | m                  | 4                  | ល                  | 9                  | 7        | 89                 | 6        | 10       | 11                 | 12       | 13                 | 14       | 15                 | 16                 | 17                 | 18       | 19                 | 20                 | 21                 | 22                 | 23                 | 24                 |

| Aae35889 Human 11. | Adc60983 Human ant | Adc61048 Human ant | Adz70856 Human Ig | Aeb28928 Human ant | Ads84380 Human ant | Adr68522 Anti-EPO- |          | Ads84372 Human ant | Adr68514 Anti-EPO- | Adi22095 Anti-plat | Aay82629 Human PTH |          | Ado36345 Intracell |          | Ad191318 VH chain | Aar52064 Heavy cha | Adr72700 Human mon | Adr72704 Human mon | Adr72698 Human mon | Adr72764 Human mon |
|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|--------------------|----------|--------------------|----------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| AAE35889           | ADC60983           | ADC61048           | ADZ70856          | AEB28928           | ADS84380           | ADR68522           | AD122096 | ADS84372           | ADR68514           | AD122095           | AAY82629           | ADI22094 | AD036345           | AAB67516 | ADL91318          | AAR52064           | ADR72700           | ADR72704           | ADR72698           | ADR72764           |
| 451 6              | 116 7              | 135 7              | 127 9             | 127 9              | 116 8              | 116 8              | 117 8    | 123 8              | 123 8              | 117 8              | 143 3              | 117 8    | 117 8              | 119 4    | •                 | •                  | _                  | _                  | 123 8              | _                  |
| 85.9               | 85.8               | 85.8               | 85.7              | 85.7               |                    |                    |          |                    | Φ.                 | 85.2               | 85.2               | 85.1     | 85.1               | 85.1     | 85.1              | 85.1               | 85.1               | 85.1               | 85.1               | 85.1               |
| 535                | 534.5              | 534.5              | 534               | 534                | 532.5              | 532.5              | 532      | 532                | 532                | 531                | 530.5              | 530      | 530                | 530      | 530               | 530                | 530                | 530                | 530                | 530                |
| 25                 | 56                 | 27                 | 28                | 29                 | 30                 | 31                 | 32       | 33                 | 34                 | 35                 | 36                 | 37       | 38                 | 39       | 40                | 41                 | 42                 | 43                 | 44                 | 45                 |

## ALIGNMENTS

Human; antibody; dual integrin; HC CDR; variable region; LC CDR; medical device; immune related disease; rheumatoid arthritis; gastric ulcer; asthma; allergic rhinitis; crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; preumonia; leprosy; malaria; malignant disease; leukaemia; chronic myelocytic leukaemia; multiple myeloma; neurological disease; multiple sclerosis; Parkinson's disease; Alzheimer's disease; Creutzfeldt-Jakob disease. Human anti-dual integrin antibody complete variable region #1. Trikha M; Snyder L, AAU76333 standard; peptide; 119 AA 07-AUG-2001; 2001WO-US024784. 07-AUG-2000; 2000US-0223363P. 01-AUG-2001; 2001US-00920267. Giles-Komar J, Heavner G, (first entry) (CENZ ) CENTOCOR INC. WPI; 2002-217193/27. WO200212501-A2. 21-MAY-2002 Homo sapiens. 14-FEB-2002. AAU76333; RESULT 1 AAU76333 

Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.

Claim 1; Page 134; 144pp; English.

The invention relates to an isolated mammalian anti-dual integrin antibody having at least one of the human heavy chain or light chain complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also included are the nucleic acids encoding the CDRs, a vector comprising the

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nucleic acide, a host cell comprising the vector, an anti-idiotype
antibody that binds to the ant-dual integrin, a medical device comprising
the antibody suitable for administration by parenteral, subcutaneous,
intraamuscular, intravenous, intratrioular, intrabronchial,
intraachdominal, intracapsular intracartilaginous, intracavitary,
intracebebellar, or other routes as given in specification. The antibody
is useful for diagnosing or treating a dual integrin related condition in
animal for example, immune related disease such as rheumatoid
arthritis, gastric ulcer, asthma, allergic rhintis, Crohn's pathology,
sickle cell anaemia, diabetes, cardiovascular disease such as
arteriosclerosis, atherosclerosis, restenosis, angina pectoris,
mycardial infertion, infectious disease in a cell such as bacterial,
viral, and fungal infections, pneumonia, leprosy, malaria; malignant
disease such as leukaemia, chronic myelocytic leukaemia, Burkitt's
lymphoma, multiple myeloma; neurological diseases such as multiple
sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease,
creutzfeldt-Jakob disease and many other diseases given in the
specification. The present sequence is an anti-dual integrin human
variable region containing at least one of the six CDRs listed above
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 Human; SECP; antinflammatory; cytostatic; cardiant; immunosuppressive; antiviral; anti-HV; antiarthritic; antivhemmatic; mantiviral; antiarthritic; antivhemmatic; neuroprotective; antiallergic; hypotensive; cardiovascular disorder; atherosclerosis; hypotension; myocardial infarction; autolimune disorder; inflammatory disorder; AIDS; acquired immunodeficiency syndrome; allergy; rheumatoid arthritis; cell proliferative disorder;
 9
 9
 QVQLVESGGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY
 Gaps
 ö
 100.0%; Score 623; DB 5; Length 119; 100.0%; Pred. No. 9.1e-50; ive 0; Mismatches 0; Indels (
 developmental disorder; Duchenne muscular dystrophy;
neurological disorder; epilepsy; Alzheimer's disease.
 AAU81993 standard, protein; 519 AA
 Human secreted protein SECP19.
 23-JUN-2000; 2000US-0213466P
27-JUN-2000; 2000US-0214601P
31-JUL-2000; 2000US-0223372P
08-SEP-2000; 2000US-0231435P
 20-JUN-2001; 2001WO-US019862
 2000US-0232889P
 (INCY-) INCYTE GENOMICS INC.
 (first entry)
 Matches 119; Conservative
 Similarity
 Sequence 119 AA;
 W0200198353-A2
 L5-SEP-2000;
 20-JUN-2000;
 Homo sapiens
 09-APR-2002
 AAU81993;
 Query Match
 Local
 AAU8199
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The invention relates to forty four human secreted proteins (referred to as SECP-1 to SECP-44) and the nucleic acids encoding them. Also included are a host cell transformed with the nucleic acid, a transgenic animal comprising the nucleic acid, an anti-SECP antibody, use of the SECP proteins in isolating agonists and antagonists of SECP activity and method of isolating compounds which alter the expression of the SECP nucleic acid. The SECP polynucleotides and polypeptides are useful in the diagnosis, treatment and prevention of cardiovascular (e.g. usediance) whererension, myocardial infarction), autoimmune/inflammatory (e.g. acquired immunodeficiency syndrome (AIDS), allergies, rheumatoid arthritis), cell proliferative (e.g. cancer) developmental (e.g. Duchenne and Becker muscular dystrophy), and neurological (e.g. epilepsy, Allzheimer's disease) disorders. Numerous other examples of each disorder are given in the specification. The
 116
 CM, ___
Baughn MR;
nam. Walia NK;
 Forty four human secreted proteins (referred to as SECP-1 to SECP-44), useful in the diagnosis, treatment and prevention of cardiovascular (e.g. atherosclerosis), autoimmune/inflammatory (e.g. allergies) and cell proliferative disorders.
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 immunoglobulin; Ig; heavy chain variable domain;
light chain variable domain; major histocompatibility complex; MHC;
gpl00; MUC1; TAX; hTERT; cytostatic; gene therapy; cancerous disorder;
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGS----YAFDIWGQGTMVT
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 4; Gaps
 Tribouley CM, Lee EA;
 Human antibody 3G3 heavy chain amino acid sequence SEQ ID NO:114.
 Length 519;
 Query Match 88.3%; Score 550; DB 5; Length 51
Best Local Similarity 87.0%; Pred. No. 2.3e-42;
Matches 107; Conservative 3; Mismatches 9; Indels
Tang YT, Yue H, BALLE, Hafalla ALL, Lal P, Xu Y, Warren BA, Hafalla ALL, Batra S, Burford N, Yao MG, Nguyen DB,
 present sequence represents a SECP protein
 Claim 1; Page 142-143; 195pp; English.
 ADA89270 standard; protein; 123 AA
 20-FEB-2003; 2003WO-US005128.
 20-NOV-2003 (first entry)
 WPI; 2002-090431/12.
 N-PSDB; ABK28652
 Sequence 519 AA;
 117 VSS 119
 VSS 142
 WO2003070752-A2.
 Homo sapiens
 28-AUG-2003
 Ramkumar J,
 Azimzai Y,
 Gandhi AR,
 Synthetic
 ADA89270;
 20
 Query Match
 cancer.
 RESULT 3
 ADA8927
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RESULT 5
 ADL70773
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 The present invention describes a protein comprising an immunoglobulin (Ig) heavy chain variable (VH) domain and an Ig light chain variable (VL) domain. The protein binds a complex comprising a major histocompatibility complex (MHC) and a peptide, does not substantially bind the MHC in the absence of the bound peptide, and does not substantially bind the peptide in the absence of the MHC. The peptide is a peptide fragment of gpl00, MUCI, TAX or TRERT. Also described: (1) a pharmaceutical composition comprising one or more nucleic acids for expressing the Ig that binds a comprising one or more nucleic acids for expressing the Ig that binds a comprising one or more nucleic acids for expressing the Ig that binds a comprising one or more nucleic, and does not substantially bind the peptide in the absence of the MHC; (3) an isolated nucleic acid comprising a first segment that encodes the Ig variable domain; (4) a comprising a first segment that encodes the Ig variable domain; (4) a now of the MHC of t
 novel protein; (5) a transgenic animal whose genome includes heterologous nucleic acid sequences that encode the protein; (6) identifying the protein that specifically binds the MK-Cepptide complex; (7) expressing an antigen-binding protein; (8) ablating or killing a target cell that displays a peptide on a surface MKC molecule; (9) treating or preventing a cancerous disorder in a subject; and (10) detecting an MKC-peptide complex in a sample. A protein of the invention has cytostatic activity, and can be used in gene therapy. The protein is useful for preparing a composition for treating or preventing a cancerous disorder. The present sequence represents the heavy chain of an antibody which binds to an MHC-peptide complex where the peptide component in as peptide fragment of
 New protein comprising an immunoglobulin heavy chain variable (VH) domain and an immunoglobulin light chain variable (VL) domain, useful for preparing a composition for treating or preventing a cancerous disorder.
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREAR----GSYAFDIWGQGTMVT 116
 61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARELRFLEWSSDAFDIWGGGTMVT 120
 9
 9
 1 QVQLVQSGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY
 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAV1SFDGSNKYY
 4; Gaps
 Length 123;
 88.1%; Score 549; DB 6; Length 12
87.0%; Pred. No. 6.4e-43;
ive 4; Mismatches 8; Indels
 Anti-human TNF-alpha monoclonal antibody H-chain protein.
 TECHNION RES & DEV FOUND LTD.
 Disclosure; Fig 27B; 224pp; English.
 AAY08598 standard; protein; 223 AA.
 20-FEB-2002; 2002US-0358994P
 Reiter Y;
 (first entry)
 Best Local Similarity 87.0
Matches 107; Conservative
 WPI; 2003-663847/62
 Hoogenboom HRJM,
 N-PSDB; ADA89269
 123
 Sequence 123 AA;
 117 VSS 119
 VSS
 (DYAX-) DYAX
 05-AUG-1999
 AAY08598
 Query Match
 (TECR)
 RESULT 4
AAY08598
ID AAY0
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AC AAY0
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This invention describes novel recombinant anti-human TNF-alpha human monoclonal antibody consisting of a heavy (H) chain and a light (L) chain. The recombinant anti-human TNF-alpha human monoclonal antibody can
 118
 Immunosuppressive, Haemostatic, Antiallergic, Antiasthmatic,
Dermatological, Antiinflammatory; Antibacterial; Vasotropic;
Nephrotropic, Neuroprotective, Cytostatic, Cerebroprotective, Vulnerary;
Antiparkinsonian; Nootropic; Cardiant; Antianaemic; Antiatherosclerotic;
Thrombolytic, Anticoagulant; Gastroincestinal; Respiratory; transferrin,
Tf; transferrin fusion protein; Tf fusion protein; anti-TNFalpha;
 1 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYY
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 Recombinant anti-human TNF-alpha human monoclonal antibody - produced
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS
 Gaps
Monoclonal antibody; H chain; heavy chain; anti-human; TNF-alpha; tumour necrosis factor; light chain; L chain.
 1,
 Length 223;
 be produced stably in a high purity and in a large amount
 Indels
 Pred. No. 2e-42;
6; Mismatches 7;
 DB 2;
 stably with a high purity, and in large amounts.
 Anti-TNFalpha antibody VH region, SEQ ID 46.
 87.7%; Score 546.5;
88.2%; Pred. No. 2e-4
 Claim 3; Page 12-13; 22pp; Japanese.
 ADL70773 standard; protein; 223
 2003US-00384060
2003US-0485404P
 97JP-00293994
 97JP-00293994
 28-AUG-2003; 2003WO-US026779
 2002US-0406977P
 (first entry)
 Conservative
 (NIHA) JAPAN ENERGY
 WPI; 1999-350318/30.
 antibody; VH region
 Best Local Similarity
Matches 105; Conserv
 N-PSDB; AAX77407
 Sequence 223 AA;
 WO2004020588-A2
 10-MAR-2003;
09-JUL-2003;
 27-OCT-1997;
 27-OCT-1997;
 JP11127855-A
 30-AUG-2002;
 Homo sapiens
 Unidentified
 03-JUN-2004
 18-MAY-1999
 11-MAR-2004
 ADL70773;
 Query Match
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The present invention relates to a library (I) of modified fusion proteins with increased serum half-life or serum stability. Preferred fusion proteins include serum half-life or serum stability. Preferred fusion proteins include those modified so that the Tf modety exhibits on or reduced cased serum half-life or serum stability. Preferred fusion proteins included those modified so that the Tf modety exhibits on or reduced cased so that the Tf modety exhibits or or reduced disorders or diseases of endocrine system, nervous system, immune system, caspiratory system, cardiovascular system, diseases and/or disorders relating to cell proliferation, and/or diseases or disorders relating to cell proliferation, and/or diseases or disorders relating to cell proliferation, and/or diseases or disorders prognosis, prevention and/or treatment of autoimmune autoropenia, anaemia cand thrombocytopenia); allergic reactions such as allergic asthma, and thrombocytopenial, allergic reactions such as allergic asthma, anaphylaxis, IgE-mediated allergic reactions such as allergic asthma, anaphylaxis, IgE-mediated allergic reactions such as allergic asthma, anaphylaxis, cancer (asthma and allergy), apatrointential disorders (inflammatory disorders (fasthma and allergy), gastrointential disorders (inflammatory disorders (asthma and allergy), gastrointential disorders (inflammatory bowel disorders such as Parkinson's disease, Alzhamer's disease, etc. The fusion protein is also useful for treating monoclonal gammopathy of undetermined significance (MGUS), waldenstrand significance (MGUS), waldenstrand significance (MGUS), waldenstrand significance (MGUS), waldenstrand so the sease, plasmacytomas, cundetermined significance (MGUS), waldenstrand so the respiratory distress syndrome, for stimulating wound repair, for treating or preventing or treating infections of joints, bones, skin, etc. Single chain antibodies (SCA) can be fused to Tf sand a specific cardiac arreet, edem, pulmonary end prise or reading and appear to the present sequenc
 Novel library containing several fusion proteins each of which comprises first transferrin polypeptide fused to at least one second peptide, useful for screening for transferrin fusion protein having the particular
 Gape
 -1
 Length 223;
 87.2%; Score 543.5; DB 8; Length: 87.4%; Pred. No. 3.8e-42; ive 7; Mismatches 7; Indels
 Example 8; SEQ ID NO 46; 243pp; English.
 Sadeghi H;
(BIOR-) BIOREXIS PHARM CORP.
 Query Match
Best Local Similarity 87.4
Matches 104; Conservative
 Turner AJ,
 WPI; 2004-239175/22
 Sequence 223 AA;
 Prior CP,
 activity
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Query Match
 ABP45098
 RESULT
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9
 61 ADSVKGRPTISRDNSKNTLYLQMNSLRAEDTAVYYCAKDS-GDLAFDIWGQCTWVTVSS 118
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119
OVOLVESGGGVVOPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 AAR95216 standard; protein; 119
 (first entry)
 16-DEC-1996
 AAR95216;
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Human foetal immunoglobulin 56P1'CL variable heavy chain.

AAR95216

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protein or antibody comprising the Fv region of both the light and heavy chains of an antibody (Ab) fused together, and an effector molecule, where the fusion protein or Ab has the binding specificity of monoclonal Ab (MAD) B1, B3 or B5, can be used for the production of such fusion proteins or antibodies. The fusion proteins can be used in compositions proteins or an immunotoxin to inhibit tumour cell growth. The single chain antibody can be used to detect the presence or absence of cells bearing a netibody can be used to detect the presence or absence of cells bearing a lewful of such yields and the presence or absence of cells bearing a lewful of antipoly carbohydrate antigon in a patient. The antibodies are also useful as multiple targetting moieties, providing at least 2 kinds of biological activity. They can also be used in diagnostic assays and for the imaging of tumours when attached to a radiolabel and for the protein protein and protein and protein the mouse MADs B1, B3 and B5, making them more suitable immunogenic than the mouse MADs B1, B3 and B5, making them more suitable
 9
 119
 9
 Antibody; fusion protein; single chain; inhibition; tumour; diagnosis; detection; imaging; immunotoxin; targetting; assay; immunoassay; Lewis(Y) carbohydrate antigen.
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 Single chain fusion proteins and antibodies - useful to diagnose and treat cancer, specifically bind Lewis(Y) related carbohydrate antigen
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS
 0; Gaps
 Willingham M;
 Length 119;
 Score 543; DB 2; Length 11
Pred. No. 2.2e-42;
7; Mismatches 10; Indels
 Lee B,
 Jung S,
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 ï
 Example 13; Fig 11A; 116pp; English.
 location/Qualifiers
 ABP45098 standard; protein; 249 AA
 Pastan I, Benhar I, Padlan EA,
Fitzgerald D, Brinkmann U, Pai
 31. .35
/label= CDR 1.
 99. .108
/label= CDR 3.
 94US-00331396.
94US-00331397.
94US-00331398.
 Jabel= CDR 2
 87.2%;
85.7%;
 95WO-US013811
 Best Local Similarity 85.7 Matches 102; Conservative
 WPI; 1996-251462/25
 Sequence 119 AA;
 Homo sapiens,
 WO9613594-A1
 26-OCT-1995;
 28-OCT-1994;
 28-OCT-1994;
 28-OCT-1994;
 09-MAY-1996
 ABP45098
 Domain
 Domain
 Domain
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 SXXX
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Single chain antibody that immunospecifically binds BLyS SegID 1109.

(first entry)

11-MAR-2004

ADG95925;

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ADG95925 standard; protein; 249

antibody; B lymphocyte stimulator; BLyS; tumour necrosis factor; B cell proliferation; differentiation; scFv; myashenia gravis; multiple sclerosis; asthma; rheumatoid arthritis; AIDS; leukaemia; carcinoma; lymphoma; antirheumatic; antiarthritic; neuroprotective; antiinflammatory; antiasthmatic; antiallergic; cytostatic.

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RESULT 8
 ADG95925
 BLys; B lymphocyte stimulator; TNF superfamily; human; cytostatic; tumour necrosis factor; B cell proliferation; B cell differentiation; immunosuppressive, immunostimulant; immunomodulatory; antirheumatic; antiALDS; vaccine; cancer; immune; autimune disorder; immunedisorder; systemic lupus erythematosus; rheumatoid arthritis; CVID; AIDS; common variable immunodeficiency; acquired immunodeficiency syndrome.
 invention describes novel antibodies that immunospecifically bind to
 Bigging Stimulator (BLVS) polypeptides. BLVS is a member of the tumour necrosis factor (TNF) super family and induces B cell proliferation and differentiation. The antibodies of the invention have cytostatic, immunosuppressive, immunostimulant, immunomodulatory, antitheumatic and antiAlDS activity and can be used in vaccines to inhibit the expression and activity of BLVS. The antibodies bind to BLVS and so may be used to detect and quantitate the presence of BLVS in biological samples and may be used in this way to diagnose disease associated with aberrant expression of BLVS. They may also be administered to treat diseases associated with aberrant BLVS expression and activity such as cancer, immune, and autoimmune disorders and
 diseases, e.g. systemic lupus erythematosus, rheumatoid arthritis, mimunodeficiency (CVID) and acquired immunodeficiency syndrome (AIDS)). ABP43990-ABP41228 represent the antibodies and fragments of the antibodies described in the method of
 Antibodies against B Lymphocyte Stimulating polypeptides, useful for the diagnosis and treatment of cancers and immune disorders.
 Score 542.5; DB 5; Length 249;
Pred. No. 5.3e-42;
1; Mismatches 7; Indels 7
 Hilbert
 Vaughan T,
 Claim 1; Page 1726-1727; 3148pp; English.
 (HUMA-) HUMAN GENOME SCI INC.
(CAMB-) CAMBRIDGE ANTIBODY TECHNOLOGY.
 Human BLyS binding scFv SEQ ID 1109.
 Choi GH,
 17-OCT-2000; 2000US-0240B16P.
16-MAR-2001; 2001US-027624BP.
21-MAR-2001; 2001US-0277379P.
25-MAY-2001; 2001US-0293499P.
 15-JUN-2001; 2001WO-US019110.
 87.1%;
85.7%;
(first entry)
 Barash SC,
 WPI; 2002-114799/15.
 Sequence 249 AA;
 WO200202641-A1
 Homo sapiens.
 16-JUN-2000;
 10-JAN-2002
 Ruben SM,
 Query Match
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Novel antibody that immunospecifically binds to a B lymphocyte stimulator (BLys), useful for detecting and treating diseases or disorders e.g. rheumatoid arthritis, asthma and leukemia.

Example 1; SEQ ID NO 1109; 394pp; English.

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Vaughan TJ,

Choi GH,

Ruben SM, Barash SC, 4PI; 2003-505530/47.

16-NOV-2001; 2001US-0331469P. 19-DEC-2001; 2001US-0340817P. 14-NOV-2002; 2002WO-US036496.

WO2003055979-A2 Unidentified

10-JUL-2003,

(HUMA-) HUMAN GENOME SCI INC

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the live live iteraces to nove antibodies that insulpodies to the tumour consone 13934 and encodes a protein that is a member of the tumour necrosis factor superfamily and induces both in vivo and in vitro B cell proliferation and differentiation. Specifically, it refers to single chain antibody molecules (scrve) derived, preferably, from the variable heavy CDR3 region that immunospecifically bind to a polypeptide, or cragment thereof, of either human, murine, rat or monkey BLys. The present invention refers to the use of such antibodies in various methods for the detection, diagnosis and prognosis of diseases related to the berant expression or inappropriate function of BLys or its receptor. As such, these compositions are useful for identifying immune disorders including mysathenia gravis and multiple sclerosis, inflammatory as such as AIDS and proliferative disorders including leukaemia, carcinoma and lymphoma. Accordingly, they can be described as exhibiting various activities such as antirheumatic, antiarthritic, neuroprotective, antianthammatory, antianthamic, antianthamic, antianthamic, antianthamic, in antiphic form of the invention. NoTE: The sequence data for this patent did not form part of antianthamic and purious for the printed specification, but was obtained in electronic format
 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYY 60
invention relates to novel antibodies that immunospecifically bind
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 directely from WIPO at ftp.wipo.int/pub/published pct_sequences.
 7;
 Length 249;
 Indels
 87.1%; Score 542.5; DB 7;
85.7%; Pred. No. 5.38-42;
ive 4; Mismatches 7;
 Conservative
 Query Match
Best Local Similarity
 Sequence 249 AA;
 108;
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7

7;

4;

Matches 108; Conservative

Similarity

Local

61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREA-----RGSY--AFDIWGQGT 113 

MVTVSS 119 MVTVSS 126

61 114 121

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1 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWYRQAPGKGLEWVAVISYDGSNKYY 60 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY

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 The invention relates to vascular endothelial growth factor (VEGF)-2 antibodies are useful for treating, preventing or antibodies. VEGF-2 antibodies are useful for treating, preventing or disease or disorders, such as inflammatory diseases or disorders, tumour metastasis, breast cancer, brain cancer, prostate cancer, colon cancer, lymphangioma, an infectious disease, Rapossi's sarcoma, an autoimmune disease, rheumatoid arthritis, psoriasis, diabetic retinopathy, a disease or disorder associated with aberrant VEGF-2 (receptor) expression, or a disease or disorder antibody is also useful for detecting, dispnosing, prognosing, or monitoring cancers and other hyperproliferative disorders. VEGF-2 is also useful in gene therapy. The present sequence is human VEGF-2 hybridoma
 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREA-----RGSY--AFDIWGQGT 113
 Human; vascular endothelial growth factor; VEGF-2; inflammatory disease; proliferative disorder; tumour; breast; cancer; brain; prostate; colon; lymphangioma; infection; Kaposi's a sarcoma; psoritasis; immunosuppressive; rheumatoid arthritis; diabetic retinopathy; gene therapy; antimicrobial; cytostatic; ophthalmological; antibody; autoimmune disease.
 New vascular endothelial growth factor (VEGF)- 2 antibodies, for treating, preventing or ameliorating a disease or disorder, such as inflammatory diseases, proliferative disorders, autoimmune disorders or
 Gaps
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 Length 119;
 10; Indels
 Score 542; DB 6;
Pred. No. 2.7e-42;
6; Mismatches 10,
 Wager RE;
 Disclosure; Page 394; 399pp; English.
 AAE32095 standard; protein; 119 AA.
 Human VEGF-2 hybridoma antibody #1.
 Ruben SM,
 87.0%;
86.6%;
 12-APR-2002; 2002WO-US011404.
 13-APR-2001; 2001US-0283391P. 07-SEP-2001; 2001US-0317600P.
 (HUMA-) HUMAN GENOME SCI INC
 (first entry)
 Conservative
 Albert VR,
 diabetic retinopathy.
 WPI; 2003-093007/08.
 MVTVSS 119
 MVTVSS 126
 Best Local Similarity
Matches 103; Conserv
 N-PSDB; AAD49586.
 Sequence 119 AA;
 WO200283849-A2.
 Ното варіеля
 24-MAR-2003
 24-OCT-2002.
 Rosen CA,
 AAE32095;
 61
 114
 121
 Query Match
 RESULT
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QVQLVESGGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY

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 The invention relates to a specific binding agent, which comprises at least one peptide selected from any of 62 peptides (ABR55769-830) or its fragment. The binding agents are antibodies that recognize and bind to angiopoietin-2 (Ang-2). The specific binding agent, particularly the antibody, is useful for inhibiting undesired angiogenesis, treating cancers, inhibiting undesired angiogenesis, modulating or inhibiting Ang-2 activity, modulating vascular permeability or plasma leakage, or treating a disease (e.g. ocular neovascular disease, obesity, haemangioblastoma, haemangioma, arteriosclerosis, inflammatory disease, inflammatory disease, inflammatory disease, atherosclerosis, endometriosis, neoplastic disease, bone-related disease, or psoriasis) in a mammal. The present sequence represents a heavy chain variable region of an anti-Ang-2
 New specific binding agents (i.e. anti-Angiopoietin-2 antibodies), useful for inhibiting undesired angiogenesis, or treating e.g. cancers, obesity, hemangioma, arteriosclerosis, atherosclerosis or endometriosis.
 9
 61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYXCARDGFGSGCFDYWGQGTLVTVSS 119
61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCARBARGSYAFDIWGQGTMVTVSS 119
 Ang-2; angiopoietin-2; anorectic; cytostatic; antiarteriosclerotic; gynaecological; antiinflammatory; osteopathic; antipsoriatic; cancer; angiogenesis; antibody.
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 Gaps
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 ٦,
 5
 (CDR)
 9.
 Length 128;
 96. .118
/note= "complementarity determining region
 "complementarity determining region
 "complementarity determining region
 Heavy chain variable region of anti-Ang-2 antibody 555 HC.
 Indels
 86.9%; Score 541.5; DB 6;
82.8%; Pred. No. 3.3e-42;
ive 3; Mismatches 10;
 Location/Qualifiers
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 Claim 1; Page 92; 161pp; English.
 ABR55797 standard; protein; 128
 11-OCT-2001; 2001US-0328604P.
 11-OCT-2002; 2002WO-US032613
 (first entry)
 Local Similarity 82.8
les 106; Conservative
 z6. .36
/note= "α
 99.
 /note=
 WPI; 2003-504963/47.
 (AMGE-) AMGEN INC.
 Sequence 128 AA;
 WO2003030833-A2
 Ното варіелв
 02-SEP-2003
 17-APR-2003
 Matches 106;
 Oliner JD;
 Query Match
 antibody
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(first entry)

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AEB27733 standard; protein; 119 AA.
 22-SEP-2005
 AEB27733;
 Key
Region
 Liu B,
 Region
 Region
 Region
 Region
 Region
 Region
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 The invention comprises a human monoclonal antibody that binds to phospholipase A2 (PLA2). The monoclonal antibody of the invention is useful in the preparation of a medicament for the treatment of inflammatory and degenerative disorders stemming from inflammatory reactions in the joints, skin, and blood vessels, arthritis, psoriasis, asthma, Alaheimer's disease, atheroseclerosis, and restenosis. The present amino acid sequence represents the heavy chain from a monoclonal antibody that is specific for the human phospholipase A2 (PLA2) enzyme.
 111
 61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARSASDHYYDSSGYYSDAFDIWGO 120
QVQLQESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY 60
 New human monoclonal antibody that binds to phospholipase A2 (PLA2), useful for treating inflammatory conditions, e.g. arthritis, psoriasis, asthma, Alzheimer's disease, atherosclerosis, or restenosis.
 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSY-----AFDIWGQ
 Gaps
 Human phospholipase A2-specific monoclonal antibody heavy chain #20.
 human; monoclonal antibody; phospholipase A2; PLA2;
inflammatory disorder; degenerative disorder;
joint inflammatory reaction; skin inflammatory reaction;
blood vessels inflammatory reaction; arthritis; psoriasis; asthma;
Alzheimer's disease; atherosclerosis; restenosis; heavy chain.
 Feng X;
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 DB 8; Length 119;
 Lee YR, Liang ML,
 Indels
 4.6e-42
 88.2%; Pred. ...
Live 4; Mismatches
 Score 539.5;
Pred. No. 4.66
 Example 5; SEQ ID NO 137; 128pp; English
 Chen L,
 ADP47222 standard; protein; 119 AA.
 Landes GM, Haak-Frendscho M,
Jia X, Nocerini MR;
 (ABGE-) ABGENIX INC.
(LEXI-) LEXICON GENETICS INC.
 02-DEC-2003; 2003WO-US038234.
 02-DEC-2002; 2002US-0430724P.
 86.6%;
 (first entry)
 Best Local Similarity
Matches 105; Conservative
 GTMVTVSS 119
 121 GTMVTVSS 128
 WPI; 2004-461119/43.
 Local Similarity
 Sequence 119 AA;
 WO2004050850-A2.
 Homo sapiens.
 09-SEP-2004
 17-JUN-2004.
 ADP47222;
 61
 112
 Query Match
 RESULT 11
ADP47222
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The invention describes an antibody (I) that specifically binds and is internalized into a prostate cancer cell, comprising an antibody that specifically binds an epitope that is specifically bound by an antibody chosen from A33 (SEQ ID No. 22), M10A12 (SEQ ID No. 23), M9E4 (SEQ ID No. 24), OAL2 (SEQ ID No. 25), M10A12 (SEQ ID No. 26), M1FF12 (SEQ ID No. 27), and C10 (SEQ ID No. 28). Also described are: a chimeric molecule (II), comprising an effector attached to (I); a pharmaceutical comprising an excipient and (I) or (II); detecting (M1) a prostate cancer cell, comprising an excipient and (I) or (II); detecting (M1) a prostate cancer cell comprising a neclate and effector associating the detectable group, where the chelate binds to the epitope tag comprising a detectable group, where the chelate binds to the epitope tag cherefore associating the detectable group with the chelate and detecting the detectable group; a mucleic acid (IV) comprising a nucleic acid that encodes (I); an expression vector (V) comprising (IV); a cell comprising container molecule (II) are useful for inhibiting the growth or chimeric molecule (II) are useful for inhibiting the growth or cell with (II) or with (II) attached to a cytotoxin or radionuclide. The cell with (I), or with (II) attached to a cytotoxin or radionuclide. The detecting a prostate cancer cell. (II) is useful for cell is a metastatic cell, which involves contacting the prostate
 Novel antibody that specifically binds and is internalized into prostate cancer cell, useful for inhibiting growth or proliferation of prostate cancer cell and for detecting prostate cancer cell.
'n,
Prostate cancer antibody OA12 heavy chain variable region SEQ ID NO
 cytostatic, antibody therapy; pharmaceutical; cancer; metastasis; solid tumor; prostate tumor; neoplasm; heavy chain variable region.
 Disclosure; SEQ ID NO 5; 77pp; English
 ...30
note= "Framework 1"
 <u>.</u>
 /note= "Framework 4"
 "Framework 2"
 Location/Qualifiers
 "Framework
 .35
.CDR1"
 .66
.CDR2"
 99. .108
/note= "CDR3"
 21-DEC-2004; 2004WO-US043574
 23-DEC-2003; 2003US-0532433P
 .119
 .49
 .98
 (REGC) UNIV CALIFORNIA.
 'note=
 note=
 WPI; 2005-522452/53.
 Marks JD;
 WO2005062977-A2
 Homo sapiens
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9 9

1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY 

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61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAR-XXWNYAFDIWGGGTWVTVSS 118

61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119

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RESULT 14
 ADP47106
 8833333
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 internalized into a prostate cancer cell, comprising an antibody that specifically binds an epicope that is specifically bound by an antibody chosen from A31 (SEQ ID No. 22), M10A12 (SEQ ID No. 23), M16A12 (SEQ ID No. 23), M16A12 (SEQ ID No. 23), M16A12 (SEQ ID No. 24), M16A12 (SEQ ID No. 25), M16A12 (SEQ ID No. 26), M16A12 (SEQ ID No. 26), M16A12 (SEQ ID No. 28). M16A12 (SEQ ID NO. 28).
 ö
cancer cell with (II) attached to a detectable label and detecting the presence or absence of the detectable label. This is the amino acid sequence of an anti-prostate cancer-antibody heavy chain variable region.
 9
 1 QVQLQESGGGVVQPGRSLRLSCAASGFTFSSYDMHWVRQAPGKGLEWVAVIWYDGSNKYY 60
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119
 61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRYGDYLFDYWGQGTLVTVSS 119
 Novel antibody that specifically binds and is internalized into prostate cancer cell, useful for inhibiting growth or proliferation of prostate cancer cell and for detecting prostate cancer cell.
 The invention describes an antibody (I) that specifically binds and is
 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 Gaps
 therapy; pharmaceutical; cancer; metastasis;
 ö
 Length 119;
 Score 539; DB 9; Length 11 Pred. No. 5.1e-42; 5; Mismatches 12; Indels
 Anti-prostate cancer-antibody OA12 SEQ ID NO 25
 solid tumor; prostate tumor; neoplasm; antibody
 Claim 1; SEQ ID NO 25; 77pp; English.
 AEB27753 standard; protein; 245
 21-DEC-2004; 2004WO-US043574.
 23-DEC-2003; 2003US-0532433P.
 86.5%;
 (first entry)
 al Similarity 85.7
102; Conservative
 (REGC) UNIV CALIFORNIA.
 antibody
 WPI; 2005-522452/53.
 Marks JD;
 Sequence 119 AA;
 WO2005062977-A2.
 вартепв
 22-SEP-2005
 14-JUL-2005
 cytostatic;
 AEB27753;
 Query Match
Best Local (
 Liu B,
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 RESULT 13
 883333
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 The invention comprises a human monoclonal antibody that binds to phospholipase A2 (PLA2). The monoclonal antibody of the invention is useful in the preparation of a medicament for the treatment of inflammatory and degenerative disorders stemming from inflammatory reactions in the joints, skin, and blood vessels, arthritis, psoriasis, asthma, Altelmer's disease, atherosclerosis, and restenosis. The present amino acid sequence represents the heavy chain from a monoclonal antibody that is specific for the human phospholipase A2 (PLA2) enzyme.
detecting a prostate cancer cell, which involves contacting the prostate cancer cell with (II) attached to a detectable label and detecting the presence or absence of the detectable label. This is the amino acid sequence of anti-prostate cancer-antibody OA12.
 9
 9
 61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRYGDYLFDYWGQGTLVTVSS 119
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119
 New human monoclonal antibody that binds to phospholipase A2 (PLA2), useful for treating inflammatory conditions, e.g. arthritis, psoriasis, asthma, Alzheimer's disease, atherosclerosis, or restenosis.
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 Gape
 Human phospholipase A2-specific monoclonal antibody heavy chain #10.
 ×
 human, monoclonal antibody, phospholipase A2; PLA2; inflammatory disorder; degenerative disorder; joint inflammatory reaction; skin inflammatory reaction; blood vessels inflammatory reaction; arthritis; psoriasis, asthma; Alzheimer's disease; atherosclerosis; restenosis; heavy chain.
 Feng
 ö
 Score 538.5; DB 8; Length 119; Pred. No. 5.7e-42;
 Length 245;
 Liang ML,
 Indels
 12;
 Lee YR,
 Pred. No. 1.1e-41; 5; Mismatches 12
 86.5%; Score 539; DB 9;
85.7%; Pred. No. 1.1e-41;
 Chen L,
 Claim 1; SEQ ID NO 21; 128pp; English
 ż
 ADP47106 standard; protein; 119
 Haak-Frendscho M,
 02-DEC-2003; 2003WO-US038234.
 86.4%;
88.2%;
 02-DEC-2002; 2002US-0430724P.
 LEXICON GENETICS INC
 Best Local Similarity 85.7
Matches 102; Conservative
 WPI; 2004-461119/43.
 Nocerini MR
 (ABGE-) ABGENIX INC
 Query Match
Best Local Similarity
 Similarity
 Sequence 245 AA;
 Sequence 119 AA;
 WO2004050850-A2
 Homo sapiens
 09-SEP-2004
 17-JUN-2004.
 ADP47106;
 Query Match
Best Local 6
 (LEXI-)
 Jia X,
 Landes
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The invention relates to a novel isolated monoclonal antibody (mab) comprising a heavy chain polypeptide and light chain polypeptide having a sequence chosen from one of 53 fully defined anino acid sequences given in the specification, where the antibody specifically binds carbonic anhydrase IX (CA IX) tumour antigen. The antibody of the invention anhydrase IX (CA IX) tumour antigen. The antibody of the invention such as colorectal neoplasm, renal cell carcinoma, cervical intraepithelial squamous and glandular neoplasia, oseophagaal tumour or breast cancer, possibly via gene therapy. The current sequence is that of a murine-expressed anti-human CA IX monoclonal antibody VH (heavy chain variable domain) protein of the invention. The protein was generated via the introduction of the human CA IX protein into a
 monoclonal antibody, carbonic anhydrase IX; CA IX tumour antigen; Cytostatic; colorectal neoplasm; renal cell carcinoma; cervical intraepithelial squamous neoplasia; cervical intraepithelial glandiuar neoplasia; oesophageal; breast cancer; gene therapy; murine; mouse; human; heavy chain variable domain.
 9
 9
 Murine-expressed anti-human CA IX monoclonal antibody VH protein SEQ 132.
 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 New anti-CA IX monoclonal antibody, useful for treating a tumor e.g., colorectal neoplasms, colorectal tumors, cervical intraepithelial squamous and glandular neoplasia or esophageal tumors.
 Gaps
 ;
 86.0%; Score 538; DB 7; Length 121; 86.0%; Pred. No. 6.5e-42; ive 4; Mismatches 11; Indels
 9; Indels
 4; Mismatches
 Example 2; SEQ ID NO 132; 89pp; English
 Gallo M;
 ADP03962 standard; protein; 121 AA
 Gudas J, Foltz I, Handa M,
 02-DEC-2002; 2002WO-US038550.
 03-DEC-2001; 2001US-0337275P.
 (first entry)
105; Conservative
 Query Match
Best Local Similarity 86.0
Matches 104; Conservative
 transgenic mouse strain
 (ABGE-) ABGENIX INC.
 WPI; 2003-523295/49.
 Sequence 121 AA;
 WO2003048328-A2.
 29-JUL-2004
 Unidentified
 12-JUN-2003
 ADP03962;
Matches
 RESULT 1:
ADP03962
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9 9

Gaps

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1 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYY

1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY

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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAR--EARGSYAFDIWGQGTMVTVS 118
 61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARITMVRGYYGMDVWGQGTTVTVS 120
 S 119
 S 121
 119
 121
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Search completed: December 14, 2005, 07:40:51 Job time : 79.1101 secs

us-10-720-323-7.rai

Run on:

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Sequence 89 Application US/09269332

Sequence 89 Application US/09269332

Sequence 89 Application US/09269332

Sequence 89 Application US/09269332

Settent No. 69031304

APPLICANT: WAKHARA, VUJI

APPLICANT: WAWHER: US/09/269,332

CURRENT FILING DATE: 1999-03-25

PRIOR FILING DATE: 1997-09-24

PRIOR FILING DATE: 1997-09-24

PRIOR FILING DATE: 1997-07-24

PRIOR FILING DATE: 1997-07-24

WUMBER OF SEQ ID NOS: 113

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 89

LENGTH: 115
 Sequence 9, Appli
Sequence 2, Appli
Sequence 108, Appl
Sequence 108, App
Sequence 108, App
Sequence 35, Appl
Sequence 106, App
Sequence 106, App
Sequence 11, Appl
Sequence 23, Appl
Sequence 5, Appl
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119
 61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARESRGDY----WGQGTLVTVSS 115
 1 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
 Sequence 46, Application US/08331398A
Patent No. 5608039
GENERAL INFORMATION:
APPLICANT: Pateni, Ira
APPLICANT: Willingham, Mark
APPLICANT: FitzGerald, David
APPLICANT: Brinkmann, Ulrich
APPLICANT: Painkmann, Ulrich
APP
 87.2%; Score 543; DB 2; Length 115; llarity 87.4%; Pred. No. 5.9e-49; Conservative 5; Mismatches 6; Indels
US-09-240-274-9
US-09-848-798-9
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US-09-472-087-66
US-09-456-090A-108
US-09-453-234-718-6
US-09-454-840B-6
US-09-454-840B-6
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US-09-454-840B-6
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US-09-848-798-23
 ALIGNMENTS
 , ORGANISM: Homo sapiens
US-09-269-332-89
 Similarity
 104;
 US-08-331-398A-46
 TYPE: PRT
 Query Match
Best Local
 Best Loca
Matches
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 46, Appl
46, Appl
35, Appl
35, Appl
16, Appl
80, Appl
80, Appl
21, Appl
22, Appl
23, Appl
26, Appl
26, Appl
27, December 14, 2005, 07:38:04 ; Search time 24.1145 Seconds (without alignments) 407.987 Million cell updates/sec
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 US-10-720-323-7
623
1 QVQLVESGGGVVQPGRSRRL.....ARGSYAFDIWGQGTMVTVSS 119
 Sequence 35,
Sequence 29,
 Description
 Sequence 7
 Sequence 1
Sequence 8
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(cgn2_6/ptodata/1/iaa/5_COMB.pep:*

(cgn2_6/ptodata/1/iaa/6_COMB.pep:*

(cgn2_6/ptodata/1/iaa/H_COMB.pep:*

(cgn2_6/ptodata/1/iaa/PCTUS COMB.pep:*

(cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

(cgn2_6/ptodata/1/iaa/RE_COMB.pep:*

(cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
 GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
 US-08-331-3918-46
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US-08-331-3978-46
US-09-227-693-46
US-09-422-245-35
US-09-424-8408-16
US-09-340-274-8
US-09-240-274-8
US-09-240-274-21
US-09-240-274-22
US-09-848-798-22
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US-09-453-234-60
 Total number of hits satisfying chosen parameters:
 572060 seqs, 82675679 residues
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
 - protein search, using sw model
 BLOSUM62
Gapop 10.0 , Gapext 0.5
 seq length: 0
seq length: 200000000
 Length
 Query
Match]
 Perfect score:
 Scoring table:
 OM protein
 Minimum DB
Maximum DB
 Sequence:
 Searched:
 Database
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Result

9 9

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MOLECULE TYPE: protein
 NAME/KEY: Protein
 California
 linear
 RESULT 4
US-08-759-804A-46
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 Sequence 46, Application US/08331397B

Sequence 46, Application US/08331397B

Patent No. 5981726

GENERAL INFORMATION:
APPLICANT: Benhar, Ital
APPLICANT: Benhar, Ital
TITLE OF INVENTION: Chimeric and Mutationally Stabilized Tumor-
TITLE OF INVENTION: Specific Antibody Fragments, Fusion Proteins, and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Plaza
CITY: San Francisco
 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY 60
 1 QVELVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY 60
 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119
 87.2%; Score 543; DB 1; Length 119;
85.7%; Pred. No. 6.2e-49;
iive 7; Mismatches 10; Indels
 /note= "Human fetal immunoglobulin
56P1'CL Variable Heavy chain (V-H)"
 COMPUTER VALUE OF STATE OF STA
NUMBER OF INVENTION: and Their Uses (as amended)
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Street Plaza
CITY: San Francisco
STATE: California
 NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REGISTRATION NUMBER: 015280-126110US
TELECOMMUNICATION INPORMATION:
TELEFAX: (415) 543-9600
TELEFAX: (415) 543-5043
INPORMATION FOR SEQ ID NO: 46: SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acida
STRANDEDNESS:
 Matches 102; Conservative
 TOPOLOGY: linear
MOLECULE TYPE: protein
 COCATION: 1.119
OTHER INFORMATION:
 NAME/KEY: Protein
 Best Local Similarity
 RESULT 3
US-08-331-397B-46
 US-08-331-398A-46
 Query Match
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COUNTRY: USA

COMPATER: 19105-1459

COMPATER: PA105-1459

COMPATER: TIM POPCOMPATION

FILING DATE: 10-52F-1991

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 ADSVKGRFTISRDNSKNTLYLØMNSLRAEDTAVYYCARRSARTYYFDYWGGGTLVTVSS 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: BENHAR, Itai
APPLICANT: BENHAR, Itai
APPLICANT: BENHAR, Itai
APPLICANT: BENHAR, Itai
APPLICANT: LEE, Byungkook
TITLE OF INVENTION: HUMANIZED TUMOR-SPECIFIC ANTIBODY
TITLE OF INVENTION: HUMANIZED TUMOR-SPECIFIC ANTIBODY
TITLE OF INVENTION: HUMANIZED TUMOR-SPECIFIC ANTIBODY
TITLE OF INVENTION: HUMANIZED TUMOR-SPECIFIC ANTIBODY
TITLE OF INVENTION: FRAGMENTS, FUSION PROTEINS, AND USES THEREOF
NUMBER OF SEQUENCES: 50
CORRESPONDENCE, ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: Steuart Street Tower, One Market Plaza
CITY: San Francisco
STATELE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 87.2%; Score 543; DB 1; Length 119; Best Local Similarity 85.7%; Pred. No. 6.2e-49; Matches 102; Conservative 7; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "Human fetal immunoglobulin
56P1'CL Variable Heavy chain (V-H)'
                                                                        CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/759,804A
FILING DATE: 03-DEC-1996
CLASSIFICATION: 536
RIOR APPLICATION NUMBER: US 08/331,398
FILING DATE: 28-OCT-1994
RIOR APPLICATION NUMBER: US 07/57,331
APPLICATION NUMBER: US 07/57,331
FILING DATE: 30-SEP-1991
RPIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/596,289
FILING DATE: 12-OCT-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen L.
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-126140US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO: 46:
SEQUIENCE CHARACTERISTICS:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 46, Application US/09227693
Patent No. 6287562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNES:
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HAME/KEY: Protein LOCATION: 1..119
OTHER INFORMATION:
OTHER INFORMATION:
US-08-759-804A-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-227-693-46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
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1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTWVTVSS 119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: HANSE, BILLEN E.
APPLICANT: GILANK, BILLEN E.
APPLICANT: GANGE, JEFFREY H.
APPLICANT: GANGE, JEFFREY H.
APPLICANT: GONVALAN, STEVEN C.
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 147
SOUTHWARE: PATCHIN UNCS: 147
SOUTHWARE: PATCHIN UNCS: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Human fetal immunoglobulin
56Pl'CL VH region"
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/09/227,693
                                                                                                                          FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/331,396
FILING DATE:
PRIOR APPLICATION NUMBER: 08/731,396
FILING DATE: 30-SEP-1991
FILING DATE: 30-SEP-1991
PRIOR APPLICATION NUMBER: US 07/767,331
FILING DATE: 12-OCT-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-560
TELEPHONE: (415) 543-5603
INFORMATION FOR SEQ ID NO: 46:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 70, Application US/09472087
Patent No. 6682736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                119 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 1.119
OTHER INFORMATION:
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: sin
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61 VDSVKGRFTISRDNSENTLYLQVNIIRAEDTAVYYCAREARG---SYAFDIWGQGTMVTV 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARSIFGVVIDYGMDVWGQGTTVTV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 16, Application US/09424840B

patent No. 679038

GENERAL INFORMATION:
APPLICANT: Berchtcld, Peter
APPLICANT: Berchtcld, Peter
TITLE OF INVENTION: ANT-GPILE/IIIA RECOMBINANT ANTIBODIES
TITLE REPRENCE: 100564-09049
CURRENT APPLICATION NUMBER: US/09/424,840B
CURRENT FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR FILING DATE: 1997-12-12
PRIOR FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                          Length 120;
                          ; Sequence 25. Application US/10330613A; Patent No. 6924360; GENERAL INFORMATION:
APPLICANT: Gudas, Jean
TITLE OF INVENTION:
FILE REFERENCE: ABGENIX.022A
CURRENT APPLICATION NUMBER: US/10/330, 613A
CURRENT FILING DATE: 2002-12-26
PRIOR APPLICATION NUMBER: 60/346299
PRIOR FILING DATE: 2001-12-18
NUMBER OF SEQ ID NOS: 90
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 29
LENGTH: 120
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                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 84.5%; Score 526.5; DB 2; Best Local Similarity 84.2%; Pred. No. 3.2e-47; Matches 101; Conservative 4; Mismatches 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
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RESULT 8
US-10-330-613A-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRKDWGWALFDYWGQGTLVTVS 120
                                                                                                                                                                                                                                       61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDPRGATLYYYYYGMDVWGQGTT 120
                                                                                                                                                                                                                 61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCARBARGS-----YAFDIWGQGTM 114
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                                                                                      Gaps
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85.0%; Pred. No. 1.4e-47;
                                            85.9%; Score 535; DB 2; Length 451;
                                                                                   6; Mismatches 10; Indels
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Anthony R.
Michael A.
Braydon C.
SURFACE RESIDUE VENEERING OF RODENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: Sughrue, Mion, Zinn, Macpeak & Seas
2100 Pensylvania Avenue, N.W.
                                                                  Pred. No. 2e-47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Weahington
STATE: D.C.
COUNTY: United States
ZIP: 20037-3202
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYRE: Ploppy disk
COMPUTER: HP 9000/700 Workstation
OPERATING SYSTEM: UNIX
SOFTWARE: In house
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/942,245
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 35, Application US/07942245
Patent No. 5639641
GENERAL INFORMATION:
APPLICANT: BEBRESE, Jan T.
APPLICANT: REES, Anthony R.
APPLICANT: REES, Anthony R.
APPLICANT: ROUID, Braydon C.
TITLE OF INVENTION: BUFFACE RESIDUE
TITLE OF INVENTION: SURFACE RESIDUE
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 2100 Pensylvania Avenue,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 09-SEP-1992
CLASSIFICATION: 530
TELECOMMUNICATION : 750
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TELEFAX: (202) 293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
                                                               82.4%;
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amino acid
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Best Local Similarity 85.0
Matches 102; Conservative
                                                                                   Matches 103; Conservative
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                                            Query Match
Best Local Similarity
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  JS-09-472-087-70
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCARB-----ARGSYAFDIWGQGTM 114
                                                                                                                          APPLICANT: Siegel, Donald L.
TITLE OF INVENTION: SORTING MACHEICALLY ACTIVATED CELL
TITLE OF INVENTION: SORTING METHOD FOR PRODUCTION THEREOF
FILE REFERENCE: 09596-4202
CURRENT APPLICATION NUMBER: US/09/240,274
CURRENT PELLOR DATE: 1999-01-29
EARLIER FILING DATE: 1990-01-29
EARLIER FILING DATE: 1990-04-10
EARLIER FILING DATE: 1996-10-11
SARLIER FILING DATE: 1996-10-11
NUMBER OF SEQ ID NOS: 224
SOFTWARE: PARENTIN VET. 2.0
LENGTH: 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCARE-----ARGSYAPDIWGQGTM 114
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Patent No. 6255455

GENERAL INFORMATION:
APPLICANT: Siegel, Donald L.
TITLE OF INVENTION: SORTING METHOD FOR PRODUCTION THEREOF
TITLE OF INVENTION: SORTING METHOD FOR PRODUCTION THEREOF
FILE REPERBNCE: 09564-4202
CURRENT FILING DATE: 1999-01-29
EARLIER PELICATION NUMBER: 60/081,380
EARLIER PILION DATE: 1998-04-10
EARLIER PILIONION NUMBER: 60/028,550
EARLIER PILIONION NUMBER: 60/028,550
EARLIER PILIONION DATE: 1998-10-11
NUMBER OF SEQ ID NOS: 224
                           QVQLVESGGGVVQPGRSRRLSCAASGPTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
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80.0%; Pred. No. 2.6e-46;
tive 7; Mismatches 12; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE:
; OTHER INFORMATION: anti-Rh(D) chain D15
US-09-240-274-20
                                                                                                                                                                                                                                                                                                                                                            ; Sequence 20, Application US/09240274; Patent No. 6255455; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 80.04
Matches 100; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                         115 VTVSS 119
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US-09-240-274-20
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                                                         Sequence 80, Application US/09315926A

Patent No. 6498027

GENERAL INFORMATION:

APPLICANT: Havenga, Menzo

APPLICANT: Werlinden, Stefan

TITLE OF INVENTION: TARGETEED DELIVERY THROUGH A CATIONIC AMINO ACID TRANSPORTER

TITLE OF INVENTION: TARGETEED DELIVERY THROUGH A CATIONIC AMINO ACID TRANSPORTER

CURRENT APPLICATION NUMBER: EP 99201593.3

PRIOR FILING DATE: 1999-05-20

PRIOR FILING DATE: 1999-05-20

PRIOR FILING DATE: 1998-05-20

NUMBER OF SEQ ID NOS: 81

SOFTWARE: PATENT VERSION 3.0

SEQ ID NO 80

LENGTH: 248
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APPLICANT Siegel, Donald L.

TITLE OF INVENTION: RAIGN-BINDING PROTEINS AND MAGNETICALLY ACTIVATED CELL
TITLE OF INVENTION: SORTING METHOD FOR PRODUCTION THEREOF
FILE REFERENCE: 09596-4202
CURRENT APPLICATION NUMBER: US/09/240,274
CURRENT APPLICATION NUMBER: 60/081,380
EARLIER APPLICATION NUMBER: 60/081,380
EARLIER APPLICATION NUMBER: 60/081,380
EARLIER APPLICATION NUMBER: 60/081,280
EARLIER FILING DATE: 1998-04-10
EARLIER FILING DATE: 1996-10-11
NUMBER OF SEQ ID NOS: 224
SOFTWARE: PECENTIN VET: 2.0
SEQ ID NO 8-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23 QVQLVQSGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc feature
CTHER INFORMATION: Description of Artificial Sequence: phage
NAME/KEY: PREPTIDE
LOCATION: (1)..(248)
CTHER INFORMATION: /note="hCAT1 amino acid sequence"
US-09-315-926A-80
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80.0%; Pred. No. 2.6e-46;
.ive 7; Mismatches 12; Indels
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US-09-240-274-8
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US-09-240-240-244-8
; Sequence 8, Application US/09240274
; Patent No. 6255455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 84.2'
Matches 101; Conservative
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ORGANISM: Homo sapiens
                                     -09-315-926A-80
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Gaps

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Search completed: December 14, 2005, 07:45:45
Job time : 25.1145 secs
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                                                                                                                                                                                                                                                                                                  APPLICANT: Siegel, Donald L.
TITLE OF INVENTION: Rh(D) BINDING PROTEINS AND MAGNETICALLY ACTIVATED CELL
TITLE OF INVENTION: SORING METHOD FOR PRODUCTION THEREOF
FILE REFERENCE: 09596-402
CURRENT APPLICATION NUMBER: US/09/240,274
CURRENT PILING DATE: 1999-01-29
EARLIER APPLICATION NUMBER: 60/081,380
EARLIER PILING DATE: 1998-04-10
EARLIER FILING DATE: 1998-04-10
EARLIER FILING DATE: 1996-01-11
NUMBER OF SEQ ID NOS: 224
SOFTWARE: Atentin Ver. 2.0
EEQ ID NO 22
LENGTH: 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 EVOLLESGGGVVQPGRSLRLSCVVSGFTFNNYGMHWVRQAPGKGLEWVAVIWFDGSNKYY 60
                                                                                                                                                                                                                              1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY 60
                                                                                                                                                                                                           1 OVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY
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                                                                                                                                     Score 518; DB 2; Length 125;
Pred. No. 2.6e-46;
7; Mismatches 12; Indels
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                                                                                   CTHER INFORMATION: anti-Rh(D) chain D16 US-09-240-274-21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 22, Application US/09240274, Patent No. 6255455, GENERAL INFORMATION:
                                                                                                                                       83.1%;
80.0%;
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Best Local Similarity 80.0°
Matches 100; Conservative
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                LENGTH: 125
TYPE: PRT
ORGANISM: Homo sapiens
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US-09-848-798-8
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SEQ ID NO 21
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; Sequence 8, Application US/09848798; Patent No. 6858719; GENERAL INFORMATION: APPLICANT: Siegel, Donald L.

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61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARENQIKLWSRYLYYFDYWGQGTL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCARE-----ARGSYAFDIWGQGTM 114
TITLE OF INVENTION: Rh(D)-BINDING PROTEINS AND MAGNETICALLY ACTIVATED CELL
TITLE OF INVENTION: SORTING METHOD FOR PRODUCTION THEREOF
FILE REPERENCE: 09596-42U.
CURRENT APPLICATION NUMBER: 00/09/848,798
CURRENT FILING DATE: 2001-05-04
PRIOR PLILING DATE: EARLIER FILING DATE: 1999-01-29
PRIOR PLILING DATE: EARLIER FILING DATE: 1996-10-11
NUMBER OF SEQ ID NOS: 224
SOFTWARE: PATCHING VET: 2.0
SEQ ID NO 8
LENGTH: 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 OVOLVESGGGVVOPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 125;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 83.1%; Score 518; DB 2; Length 12 Best Local Similarity 80.0%; Pred. No. 2.6e-46; Matches 100; Conservative 7; Mismatches 12; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: anti-Rh(D) chain D01
US-09-848-798-8
                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
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us-10-720-323-7.rapbm

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Sequence 7, Appli
Sequence 19, Appl
Sequence 114, Appl
Sequence 1109, Ap
Sequence 76, Appl
Sequence 76, Appl
Sequence 76, Appl
Sequence 29, Appl
Sequence 29, Appl
Sequence 27, Appl
Sequence 21, Appl
                                                                 December 14, 2005, 07:38:24 ; Search time 68.1498 Seconds (without alignments) 729.594 Million cell updates/sec
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Sequence 42, A
Sequence 115,
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623
1 QVQLVESGGGVVQPGRSRRL.....ARGSYAFDIWGQGTMVTVSS 119
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Sequence 1
Sequence 1
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/cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-933-418-1109

US-10-931-418-1109

US-10-980-815-76

US-10-992-196-76

US-10-992-196-76

US-10-269-805-29

US-11-021-438-25

US-11-021-438-25

US-11-021-438-27

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                                             OM protein - protein search, using sw model
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Sequence

Sequence 10, Appl Sequence 17, Appl Sequence 10, Appl Sequence 22, Appl Sequence 22, Appl Sequence 19, Appl Sequence 19, Appl Sequence 11, Appl Sequence 23, Appl Sequence 23, Appl Sequence 21, Appl Sequence 31, Appl Sequence 31, Appl Sequence 32, Appl Sequence 36, Appl Sequence 58, Appl Sequence 58, Appl Sequence 58, Appl Sequence 58, Appl	COMPOSITINS, METHODS AND USES	3; Length 119; 9; 0; Indels 0; Gaps 0; WYRQAPGKGLEWVAVISFDGSNKYY 60	COMPOSITINS, METHODS AND USES
US-110-776-649-70 US-111-085-368-17 US-10-309-764-10 US-10-309-764-10 US-10-309-764-10 US-10-309-764-10 US-10-988-360-22 US-10-988-360-22 US-10-684-109-19 US-10-684-109-19 US-10-269-711-23 US-10-269-711-23 US-10-269-711-35 US-10-269-711-35 US-10-269-711-35 US-10-269-711-35 US-10-269-711-35 US-10-269-711-35 US-10-269-711-35 US-10-269-711-35 US-10-269-711-35	IGNMENTS RIN ANTIBODIES, 20, 267C	Score 623; DB Pred. No. 2e-4 0; Mismatches LSCAASGFTFSRYTMH LSCAASGFTFSRYTMH ALCONILRAEDTAVYY YLQVNILRAEDTAVYY XLQVNILRAEDTAVYY	0323 INTEGRIN ANTIBODIES, /10/720,323
451 451 116 4 1135 5 1127 5 1127 5 1123 4 1123 4 1123 4 1123 4 1123 4 1123 1 112 6 111 6 111 6	709 0440 01110 011-0 011-0	100.0%; ; Conservative 0; ; Conservative 0; QVQLVESGGGVVQPGRSRRLS QVQLVESGGGVVQPGRSRRLS VDSVKGRFTISRDNSENTLYL	·40 ·0
® ® ® ® ® ® ® ® ® ® ® ® ® ® ® ® ® ® ®	C-7 Application US/No. US200300400 ORMATION: Centocor, Inc. Giles-Komar, J Trikha, Mohit Snyder, Linda Nakada, Marian NAEMTION: ANTI-D ENCE: CEN 249 PLICATION NUMBER: LING DATE: 2001 ICATION NUMBER: LING DATE: 2001 ICATION NUMBER: NG DATE: 2001 PATENTION OF STONE SEQ ID NOS: 17 PATENTION NUMBER: AND DATE: 2001 ICATION NUMBER: ICATIO	Similarity 9; Conser QVQLVESGG QVQLVESGG VDSVKGRFT vDSVKGRFT	ie 7, Application US/ trion No. US200401855. "INFORMATION: ANT: Centocor, Inc. ANT: Giles Komar, J ANT: Trikha, Mohit ANT: Snyder, Linda ANT: Nakada, Marian OF INVENTION: ANTI- ERFERENCE: CEN 249 CI
53 53 53 53 53 53 53 53 53 53 53 53 53 5	Sequence 7, Application US Sequence 7, Application US Sequence 7, Application US Sequence 7, Application US SENERAL INFORMATION: APPLICANT: Genecocv, Inc. APPLICANT: Giles-Komar, APPLICANT: Giles-Komar, APPLICANT: Tilke, Mohit APPLICANT: Shyder, Linda APPLICANT: Nakada, Maria TITLE OF INVENTION: ANTI- FILE REFERENCE: 209 CURRENT APPLICATION NUMBE CURRENT FILING DATE: 2000- PRIOR PILING DATE: 2000- PRIOR PILING DATE: 2000- PRIOR FILING DATE: 2000- PRIOR FILING DATE: 2000- BROID NO 7 LENGTH: 119 TYPE: PRT ORGANISM: Homo sapiens 17YPE: PRT	νσ ı	equence 7, Applicat: Willication No. US20 WILLICANT: CENTOCOX APPLICANT: GILBS-KA APPLICANT: TIKAb. APPLICANT: TIKAb. APPLICANT: TIKAb. APPLICANT: Nakada, APPLICANT: Nakada, TITLE OF INVENTION: FILE REFERENCE: CEN
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RESULT 1 US-09-920. Sequence; Publical Publical APPLICA APPLIC	Query Match Best Local Matches 11 Qy 1 Db 1 Qy 61 Db 61 Db 61	Sequence public

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Sequence 89, Application US/11047996
| Publication No. US20050136057A1
| GENERAL INRORMATION:
| APPLICANT: SATO, KOH
| APPLICANT: WAKAHARA, YUJI
| APPLICANT: WAKAHARA, YUJI
| APPLICANT: WANDIAN MAGHIRO
| TITLE OF INVENTION: ANTIBODY AGAINST HUMAN PARATHORMONE RELATED PEPTIDES
| FILE REFERENCE: 04863-0033
| CURRENT APPLICATION NUMBER: US/10/202-02
| PRIOR FILING DATE: 1999-03-25
| PRIOR FILING DATE: 1999-03-25
| PRIOR FILING DATE: 1997-09-24
| PRIOR FILING DATE: 1996-09-26
| PRIOR FILING DATE: 1996-09-26
| PRIOR FILING DATE: 1997-09-24
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| PRIOR FILING DATE: 1997-09-24
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                                                                                                                                                                                                        80 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARAGEGSPDTLVAFDIWGQGTMVT 139
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                                                                                                                                                                  61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGS----YAFDIWGQGTMVT 116
                                                                       20 QVQLVESGGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY 79
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US-10-371-942-114

i Sequence 114, Application US/10371942

i Sequence 114, Application Wo. US2030223994A1

i GENERAL INFORMATION:

APPLICANT: Hodgenboom, Henricus Renerus Jacobus Mattheus
APPLICANT: Reiter, Yoram

TITLE OF INVENTION: MHC-PEPTIDE COMPLEX BINDING LIGANDS

FILE REFERENCE: 10280-034001

CURRENT FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: US 60/358,994

PRIOR APPLICATION NUMBER: US 60/358,994

PRIOR FILING DATE: 2003-02-20

NUMBER OF SEQ ID NOS: 121

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 114
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Best Local Similarity 87.0
Matches 107; Conservative
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ORGANISM: Homo sapiens
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Pred. No. 4.3e-42;
3; Mismatches 9; Indels
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL:

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; OTHER INFORMATION: Incyte ID No: 3506590CD1
US-10-312-354-19
CURRENT FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: 60/223,363
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 19, Application US/10312354 Publication No. US20040101930A1
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Best Local Similarity 87.0%;
Matches 107; Conservative
                                                                                                                                                                                                                                   TYPE: PRT
CRGANISM: Homo sapiens
US-10-720-323-7
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ORGANISM: Homo sapiens
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LENGTH: 519
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RESULT 8
US-10-120-377-76
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Publication No. US20030059937A1

GENERAL INFORMATION:

APPLICATION

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523

CURRENT APPLICATION UNDER: US/09/880,748

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR APPLICATION NUMBER: 60/240,816

PRIOR PLING DATE: 2000-10-17

PRIOR PLING DATE: 2010-03-16

PRIOR PLING DATE: 2010-03-16

PRIOR PLING DATE: 2001-03-16

PRIOR PPLING DATE: 2001-03-16

PRIOR PLING DATE: 2001-03-16

PRIOR PPLING DATE: 2001-03-16

PRIOR PLING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239

SOFTWARE: Patentin Ver. 2.0
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 3; Length 249;
                                                                                                                                                        Length 115;
                                                                                                                                                   Query Match 87.2%; Score 543; DB 6; Length 11 Best Local Similarity 87.4%; Pred. No. 4.2e-42; Matches 104; Conservative 5; Mismatches 6; Indels
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85.7%; Pred. No. 1e-41;
iive 4; Mismatches
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i. Sequence 1109, Application US/10293418
i. Publication No. US20030223996A1
j. GENERAL INFORMATION:
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 89
LENGTH: 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7°
Matches 108; Conservative
                                                             TYPE: PRT
GRGANISM: Homo sapiens
US-11-047-996-89
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; ORGANISM: Homo sapiens
US-09-880-748-1109
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US-09-880-748-1109
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREA----RGSY--AFDIWGQGT 113
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Pred. No. 1e-41;
4; Mismatches 7; Indels 7
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; Publication No. US20030176674A1
; GENERAL INFORMATION:
; APPLICANT Rosen, Craig, et al.
; TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
; TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
; CURRENT APPLICATION NUMBER: US/10/120,377
; CURRENT APPLICATION NUMBER: 60/283,391
; PRIOR APPLICATION NUMBER: 60/283,391
; PRIOR PILLING DATE: 2001-04-13
; PRIOR PILLING DATE: 2001-04-13
; PRIOR PILLING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn version 3.1
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CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-03-16
PRIOR PILING DATE: 2000-10-17
PRIOR PILING DATE: 2000-10-17
PRIOR PILING DATE: 2000-10-17
PRIOR PILING DATE: 2000-10-17
PRIOR PILING DATE: 2000-10-17
PRIOR PILING DATE: 2000-06-16
NUMBER OF SEQ ID NOS: 3247
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85.7%;
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Best Local Similarity 85.71
Matches 108; Conservative
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Best Local Similarity 86.6
Matches 103; Conservative
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US-10-293-418-1109
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ORGANISM: Homo sapiens
US-10-120-377-76
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1 QVQLQESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY 60
                           61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYAFDIWGQGTMVTVSS 119
                                                      1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
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APPLICANT: Mary Haak-Frendscho
APPLICANT: Mary Haak-Frendscho
APPLICANT: Ling Chen
APPLICANT: Ling Chen
APPLICANT: Meina Liang
APPLICANT: Xiao Peng
APPLICANT: Xiao Peng
APPLICANT: Xiao Peng
APPLICANT: Xiao Peng
APPLICANT: Mark R. Nocerini
TITLE OF INVENTION: ANTIBODIES DIRECTED TO PHOSPHOLIPASE A2
TITLE OF INVENTION: ANTIBODIES THEREOF
FILE REFERENCE: ABGRNIX.072A
CURRENT APPLICATION NUMBER: US/10/726,332
CURRENT PILING DATE: 2003-12-02
PRIOR APPLICATION NUMBER: n/a
PRIOR FILING DATE: 2003-12-02
PRIOR FILING DATE: 2003-12-02
PRIOR FILING DATE: 2003-12-02
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4; Length 128;
                                                                                                                                                                                                  Sequence 29, Application US/10269805
| Publication No. US20030124129A1
| GENERAL INFORMATION:
| APPLICANT: OLINER, JONATHAN D. | TITLE OF INVENTION: ANGIOPOIETIN-2 SPECIFIC BINDING AGENTS | FILE REPRENCATION NUMBER: US/10/269,805 | CURRENT APPLICATION NUMBER: US/10/269,805 | CURRENT FILING DATE: 2002-10-10 | PRIOR APPLICATION NUMBER: US 60/328,604 | PRIOR FILING DATE: 2011-10-11 | NUMBER OF SEQ ID NOS: 76 | SOFTWARE: Patentin version 3.1
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LOCATION: 99, 100
OTHER INFORMATION: Xaa = Any Amino Acid
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US-10-269-805-29
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ORGANISM: Homo sapiens
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LENGTH: 128
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61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDGFGSGCFDYWGQGTLVTVSS 119
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                                                                                                                            US-10-980-815-76

| Sequence 76, Application US/10980815
| Publication No. US20050059117A1
| Publication No. US20050059117A1
| Publication No. US20050059117A1
| APPLICANT: Rosen, Craig, et al.
| TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
| FILE REFERENCE: PF112B
| CURRENT APPLICATION NUMBER: US/10/980,815
| CURRENT PELLOATION NUMBER: US/10/120,377
| PRIOR PILING DATE: 2004-11
| PRIOR PILING DATE: 2001-04-13
| PRIOR PILING DATE: 2001-04-13
| PRIOR PILING DATE: 2001-09-07
| NUMBER OF SEQ ID NOS: 79
| SOOFWARE: PatentIn version 3.1
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TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
FILE REFERENCE: PP112P8P1
CURRENT APPLICATION NUMBER: US/10/992,196
CURRENT FILING DATE: 2004-11-19
PRIOR PILING DATE: 2004-11-21
PRIOR PILING DATE: 2001-04-13
PRIOR PILING DATE: 2001-04-13
PRIOR PILING DATE: 2001-09-07
PRIOR PILING DATE: 2001-09-07
PRIOR PILING DATE: 2001-09-07
PRIOR PILING DATE: 2002-09-07
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Pred. No. 5.3e-42;
6; Mismatches 10
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Best Local Similarity 86.6%;
Matches 103; Conservative 6
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Best Local Similarity 86.6
Matches 103; Conservative
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US-10-992-196-76
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US-10-992-196-76
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APPLICANT: LIU, BIN
APPLICANT: LIU, BIN
APPLICANT: MARKS, JAMES D.
TITLE OF INVENTION: PROSTATE CANCER SPECIFIC INTERNALIZING HUMAN ANTIBODIES
FILE REPERENCE: 407T-392710US
CURRENT APPLICATION NUMBER: US/11/021,438
CURRENT PILING DATE: 2004-12-21
PRIOR APPLICATION NUMBER: US 60/532,433
PRIOR FILING DATE: 2003-12-23
SEQ ID NOS: 30
SOFTWARE: PALENTIN VERSION 3.3
SEQ ID NO 5
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APPLICANT: LIU, BIN
APPLICANT: LIU, BIN
APPLICANT: LIU, BIN
TITLE OF INVENTION: PROSTATE CANCER SPECIFIC INTERNALIZING HUMAN ANTIBODIES
FILE REPERBNCE: 407T-322710US
CURRENT APPLICATION NUMBER: US/11/021,438
CURRENT FILING DATE: 2004-12-21
PRIOR PILING DATE: 2003-12-23
NUMBER: OF SEQ ID NOS: 30
SOFTWARE: PALENTIN Version 3.3
SEQ ID NO 25
LENGTH: 245
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                                            Length 119;
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US-11-021-438-25
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; OTHER INFORMATION: Domain of synthetic human antibody.
US-11-021-438-5
                                            Score 539.5; DB 5;
Pred. No. 9e-42;
                            86.6%; Scc. No. ye. 88.2%; Pred. No. ye. 4; Mismatches
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; Sequence 25, Application US/11021438
; Publication No. US20050186214A1
; GENERAL INFORMATION:
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US-11-021-438-5
Sequence 5, Application US/11021438
Publication No. US20050186214A1
GENERAL INFORMATION:
                                     Query Match
Best Local Similarity 88.21
Matches 105; Conservative
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ORGANISM: Artificial
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ORGANISM: Artificial
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APPLICANT: LIU, BIN
APPLICANT: LIU, BIN
APPLICANT: MARKS, JAMES D.
TITLE OF INVENTION: PROSTATE CANCER SPECIFIC INTERNALIZING HUMAN ANTIBODIES
FILE REPERENCE: 407T-392710US
CURRENT APPLICATION NUMBER: US/11/021,438
CURRENT FILING DATE: 2004-12-21
PRIOR APPLICATION NUMBER: US 60/532,433
PRIOR FILING DATE: 2003-12-23
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PACENTIN VERSION 3.3
SEQ ID NO 27
LENGTH: 245
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     Length 245;
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                                                           12; Indels
  86.5%; Score 539; DB 6;
85.7%; Pred. No. 2.1e-41;
iive 5; Mismatches 12;
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                                                           Matches 102; Conservative
Query Match
Best Local Similarity
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US-11-054-515-1109
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1: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/PUS10_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-11-003-274-19
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US-11-004-613-395
US-11-054-515-182
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US-11-054-515-183
US-11-054-515-183
US-11-054-515-183
US-11-127-677-18
US-11-127-677-21
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113
         956, App
1724, Ap
1724, Ap
181, App
11, App
1130, Ap
1130, Ap
1119, Ap
110, Ap
1117, Ap
1117, Ap
1117, Ap
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1117, Ap
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1118, App
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| Publication No. US2005025532A1
| GENERAL INFORMATION:
| APPLICANT: Ruben et al.
| TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
| FILE REFERENCE: PF523P3
| CURRENT PILING DATE: 2005-02-10
| PRIOR APPLICATION NUMBER: US/11/054,515
| CURRENT PILING DATE: 2004-02-11
| PRIOR PILING DATE: 2004-02-18
| PRIOR PILING DATE: 2004-06-18
| PRIOR PILING DATE: 2004-11-14
| PRIOR PILING DATE: 2001-11-14
| PRIOR PILING DATE: 2001-13-19
| PRIOR PILING DATE: 2001-01-12-19
| PRIOR PILING DATE: 2001-06-15
| PRIOR PILING DATE: 2001-06-15
| PRIOR PILING DATE: 2001-03-21
| PRIOR PILING DATE: 2001-03-21
| PRIOR PILING DATE: 2001-03-21
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| PRIOR PILING DATE: 2001-03-16
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US-11-054-515-956
US-11-054-515-1724
US-11-054-515-1725
US-11-024-515-881
US-11-024-515-911
US-11-054-515-911
US-11-054-515-1120
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US-11-054-515-1108
US-11-054-515-1108
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Best Local Similarity
Matches 108; Conserv
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116 TVSS 119
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61 VDSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARASYYDILTGYYKGAFDIWGQGT 120
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FILE REFERENCE: PF523R3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT PILING DATE: 2005-02-10
PRIOR PLING DATE: 2004-02-11
PRIOR PLING DATE: 2004-02-11
PRIOR PLING DATE: 2004-02-11
PRIOR PLING DATE: 2004-02-11
PRIOR PLING DATE: 2004-02-11
PRIOR PLING DATE: 2004-02-11
PRIOR PLING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2001-11-14
PRIOR PLING DATE: 2001-11-14
PRIOR PLING DATE: 2001-11-14
PRIOR PLING DATE: 2001-11-19
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-06-15
PRIOR PLING DATE: 2001-06-15
PRIOR PLING DATE: 2001-05-15
PRIOR PLING DATE: 2001-05-25
PRIOR PLING DATE: 2001-05-21
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PRIOR PLING DATE: 2001-03-21
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US-11-127-677-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 85.1%; Score 530; DB 7; Best Local Similarity 85.7%; Pred. No. 3.5e-36; Matches 102; Conservative 5; Mismatches 10;
                                                                                                                                                                                                                          Sequence 9, Application US/11127677

Publication No. US20050272107A1

GENERAL INFORMATION:

APPLICANT: Medical Research Council

APPLICANT: Rabbites, Terence H

APPLICANT: Tanaka, Tomoyuki

TITLE OF INVENTION: Intracellular antibodies

FILE REFERENCE: 18396/2462

CURRENT APPLICATION NUMBER: US/11/127,677

CURRENT FILING DATE: 2005-05-12

PRIOR PILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-15

NUMBER OF FILE 2003-11-15

NUMBER OF SEQ ID NOS: 150

SEQ ID NO 9

LEMETH OF SEQ ID NOS: 150

SEQ ID NO 9
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Publication No. US20050255532A1
GENERAL INFORMATION:
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                                                     114 MVTVSS 119
                                                                                                       121 MVTVSS 126
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARG-----SYAFDIWGQGTMV 115
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PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION WINNBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 924
LENGTH: 247
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                                                                                                                                                                                                                                                                      Length 247;
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APPLICANT: Graziano, Robert
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Kempe, Thomas
APPLICANT: Cutter, Beth
APPLICANT: Srinivasan, Mohan
TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT FILING DATE: 2005-03-28
PRIOR FILING DATE: 2004-03-29
                                                                                                                                                                                                                                                                 85.0%; Score 529.5; DB 7;
83.1%; Pred. No. 7.3e-36;
tive 5; Mismatches 11;
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Pred. No. 5.1e-36;
5; Mismatches 9.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 19, Application US/11093274
Publication No. US20050266008A1
GENERAL INFORMATION:
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Best Local Similarity 86.6%;
Matches 103; Conservative
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SOFTWARE: Patentin version 3.2
SEQ ID NO 19
LENGTH: 117
                                                                                                                                                                                                                                                                                                                      Matches 103; Conservative
                                                                                                                                                                        tryE: PRT
CORGANISM: Homo sapiens
US-11-054-515-924
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US-11-093-274-19
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Best Local Similarity
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Score 524.5; DB 7, Pred. No. 1.8e-35;
           APPLICATION NUMBER: 60/293,499
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Best Local Similarity 80.2
Matches 101; Conservative
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-512
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; ORGANISM: Homo sapiens
US-11-054-515-1890
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Best Local Similarity
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TITLE OF INVENTION:
TITLE OF INVENTION Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PFS23P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR PILING DATE: 2004-06-11
PRIOR PILING DATE: 2004-06-11
PRIOR PILING DATE: 2004-11-14
PRIOR PILING DATE: 2004-11-14
PRIOR PILING DATE: 2001-11-16
PRIOR PILING DATE: 2001-11-16
PRIOR PILING DATE: 2001-11-16
PRIOR PILING DATE: 2001-11-16
PRIOR PILING DATE: 2001-11-16
PRIOR PILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-06-15
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                                                          APPLICANT: Wang, Zhiwel
APPLICANT: Wang, Zhiwel
APPLICANT: Wang, Zhiwel
APPLICANT: Zhang, Jie
APPLICANT: Zhang, Jie
APPLICANT: Zhang, Jie
APPLICANT: Zhang, Jie
APPLICANT: Zhang, Jie
APPLICANT: Cao, Yi-Cheng
APPLICANT: Cao, Yi-Cheng
APPLICANT: Cao, Yi-Cheng
APPLICANT: Cao, Yi-Cheng
APPLICANT: Cao, Yi-Cheng
APPLICANT: Cao, Yi-Cheng
FILE REFERENCE: 785CIP4CN
CURRENT FILING DATE: 2004-11-29
PRIOR PILING DATE: 2004-11-29
PRIOR PLING DATE: 2001-01-25
PRIOR PLING DATE: 2001-01-25
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PRIOR PLLING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match

84.5%; Score 526.5; DB 7; Length
Best Local Similarity 79.7%; Pred. No. 2.2e-35;
Matches 102; Conservative 5; Mismatches 12; Indels
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. Sequence 512, Application US/11054515

. Publication No. US20050255532A1

; GENERAL INFORMATION:
Chen, Rui-hong
Qian, Xiaohong B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-395
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCARE-----ARGSYAFDIWGQGT 113
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Publication No. US2005025532A1
Sequence 1890, Application US/11054515
Publication No. US2005025532A1
Sequence 1890, Application US/11054515
FUENERRENCE: PF523P3
CURRENT RUBEN APPLICATION NUMBER: 05/54,515
CURRENT APPLICATION NUMBER: 60/543,296
FRIOR FILING DATE: 2004-02-11
FRIOR PELING DATE: 2004-06-18
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
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FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-06-15
FRIOR FILING DATE: 2001-06-15
FRIOR FILING DATE: 2001-06-25
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FRIOR FILING DATE: 2001-06-25
FRIOR FILING DATE: 2001-03-21
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
PRIOR PLING DATE: 2001-03-16
PRIOR FILING DATE: 2000-10-17
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NO 512
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80.2%; Pred. No. 1.5e-35;
tive 6; Mismatches 12;
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Publication No. US2005025532Al
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                                                                                                                                            61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARG-----SYAFDIWGQGT 113
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                                                                                             1 QMQLVQSGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSIKYY 60
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                                               1 QVQLVESGGGUVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY
  3; Gaps
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JOHNSTAIL INFOGRATION:

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REPERENCE: PF523F3
CURRENT APPLICATION UNDHER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR PILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR FILING DATE: 2001-11-15
PRIOR FILING DATE: 2001-11-15
PRIOR FILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-05-25
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PRIOR PILING DATE: 2001-03-21
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PRIOR PILING DATE: 2001-03-11
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NUMBER OF SEQ ID NOS: 3247
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  7; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1627, Application US/11054515
Publication No. US20050255332A1
GENERAL INFORMATION:
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US-11-054-515-983
, Sequence 983, Application US/11054515
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Best Local Similarity 81.0
Matches 102; Conservative
  Matches 102; Conservative
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ORGANISM: Homo sapiens
US-11-054-515-1627
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61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAREEGFYDILTGYYGPGYFDYWGK 120
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TITLE OF INVENTION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REPERENCE: PF52373

CURRENT APPLICATION NUMBER: US/11/054,515

CURRENT PILING DATE: 2005-02-10

PRIOR PELICATION NUMBER: 60/580,347

PRIOR PELICATION NUMBER: 60/580,347

PRIOR FILING DATE: 2004-06-18

PRIOR PELICATION NUMBER: 60/331,469

PRIOR FILING DATE: 2001-11-16

PRIOR PELICATION NUMBER: 60/340,817

PRIOR FILING DATE: 2001-11-16

PRIOR PELICATION NUMBER: 60/340,817

PRIOR PELICATION NUMBER: 60/340,817

PRIOR PELICATION NUMBER: 60/240,817

PRIOR PELING DATE: 2001-06-15

PRIOR PELING DATE: 2001-06-15

PRIOR PELING DATE: 2001-06-15

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-21

PRIOR PELING DATE: 2001-03-16

PRIOR PELING DATE: 2001-03-17

PRIOR PELING DATE: 2001-03-16

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FILE REFERENCE: PF523P3
CURRENT PAPLICANT: A005-02-10
PRIOR PEDILON NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR PELICATION NUMBER: 60/543,296
PRIOR PELICATION NUMBER: 60/580,347
PRIOR PILING DATE: 2004-06-18
PRIOR PILING DATE: 2004-06-18
PRIOR PILING DATE: 2004-10-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-14
PRIOR PILING DATE: 2001-11-15
PRIOR PILING DATE: 2001-11-16
PRIOR PILING DATE: 2001-11-16
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81.2%; Pred. No. 1.9e-35;
tive 4; Mismatches 11; Indels 9
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Publication No. US20050255532A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 81.2'
Matches 104; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
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US-11-054-515-1731
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARG-----SYAFDIWGQGTM 114
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Pred. No. 3.8e-35;
4; Mismatches 12;
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US-11-127-677-18
US-11-127-677-18
Squence 18, Application US/11127677
Publication No. US20050272107A1
GENERAL INFORMATION:
APPLICANT: Medical Research Council
APPLICANT: Rabbitts, Terence H
APPLICANT: Tanaka, Tomoyuki
                                                                                                                                                                                                                                           Sequence 1519, Application US/11054515; Publication No. US20050255332A1; GENERAL INFORMATION:
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83.1%;
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Best Local Similarity 83.19
Matches 103, Conservative
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; ORGANISM: Homo sapiens
US-11-054-515-1519
                                                                                                       115 VIVSS 119
                                                                                                                                            120 VTVSS 124
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APPLICANT: Luchrsen, Kenneth
APPLICANT: Luchrsen, Kenneth
APPLICANT: Luchrsen, Kenneth
APPLICANT: Balint, Robert F.
APPLICANT: Bebington, Christopher R.
APPLICANT: Warranton, Geoffrey T.
APPLICANT: KaloBios, Inc.
ITLE OF INVENTION: Binding Determinants
TITLE OF INVENTION: Binding Determinants
FILE REPERENCE: 02116-001730US
CURRENT APPLICATION NUMBER: US/1/040,159
CURRENT APPLICATION NUMBER: US 60/546,216
FRIOR FILING DATE: 2004-01-20
PRIOR FILING DATE: 2004-01-20
PRIOR FILING DATE: 2004-01-20
PRIOR FILING DATE: 2004-01-23
NUMBER OF SEQ ID NOS: 133
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 14
LENGTH: 124
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                                                                                                                                                                                                                                                                                                                                           Score 521; DB 7; Length 252;
Pred. No. 3.5e-35;
7; Mismatches 11; Indels 10; Gaps
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PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2000-10-17
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NO 1731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:V-region of OTHER INFORMATION: anti-PcrV antibody F6 VH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 520.5; DB 7; Length 124; Pred. No. 2.1e-35;
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Publication No. US2005025552A1
GENERAL INFORMATION:
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Best Local Similarity 78.3%;
Matches 101; Conservative
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ORGANISM: Artificial Sequence
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Best Local Similarity 82.4
Matches 103; Conservative
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121 RGTLVTVSS 129
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; ORGANISM: Homo sapiens
US-11-054-515-1731
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCARE----ARGSY-AFDIWGQGTMV 115
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
FULE REFERENCE: PF523P3
FULE REFERENCE: PF523P3
FURRENT APPLICATION NUMBER: 60/543,296
FRIOR PILING DATE: 2004-02-11
FRIOR FILING DATE: 2004-06-18
FRIOR FILING DATE: 2004-11-16
FRIOR FILING DATE: 2002-11-14
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-11-16
FRIOR FILING DATE: 2001-12-19
FRIOR FILING DATE: 2001-12-19
FRIOR FILING DATE: 2001-12-19
FRIOR FILING DATE: 2001-12-19
FRIOR FILING DATE: 2001-06-15
FRIOR FILING DATE: 2001-06-15
FRIOR APPLICATION NUMBER: 60/293,499
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR FILING DATE: 2001-03-16
FRIOR APPLICATION NUMBER: 60/240,816
FRIOR APPLICATION NUMBER: 60/240,816
FRIOR FILING DATE: 2001-03-16
FRIOR APPLICATION NUMBER: 60/240,816
FRIOR APPLICATION NUMBER: 60/240,816
FRIOR FILING DATE: 2001-03-16
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Publication No. US2005025532A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7
                                                                                                                                                                                                                                                                                                                                                                                                                  83.3%; Score 519; DB 7; Length 117;
84.0%; Pred. No. 2.6e-35;
tive 7; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 83.1%; Score 518; DB 7; Length 11: Best Local Similarity 84.0%; Pred. No. 3.2e-35; Matches 100; Conservative 5; Mismatches 14; Indels
                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-21
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APPLICANT: Medical Research Council
APPLICANT: Rabbitts, Terence H
APPLICANT: Tanaka, Terence H
APPLICANT: Tanaka, Tenoyuki
TITLE OF INVENTION: Intracellular antibodies
FILE REFERENCE: 18396/2462
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: PCT/GB03/04942
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-15
PRIOR FILING DATE: 2003-11-15
SOFTWARE OF SEQ ID NOS: 150
SOFTWARE PATENTIN NUMBER: GB 0226729.2
PRIOR FILING DATE: 2002-11-15
NUMBER OF SEQ ID NOS: 150
TITLE OF INVENTION: Intracellular antibodies
                   FILE REFERENCE: 18396/2462
CURRENT APPLICATION NUMBER: US/11/127,677
CURRENT FILING DATE: 2005-05-12
FUNDR APPLICATION NUMBER: PCT/GB03/04942
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-15
NUMBER OF SEQ ID NOS: 150
SOFTWARE: Patentin version 3.1
SEQ ID NO 18
LENGTH: 117
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Publication No. US20050272107A1
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ORGANISM: Artificial sequence
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Best Local Similarity 84.0
Matches 100; Conservative
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US-11-127-677-21
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LENGTH: 119
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1; Sequence 1933, Application US/11054515

US-11-054-515-1933

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

December 14, 2005, 07:33:29; Search time 18.8722 Seconds (without alignments) 606.700 Million cell updates/sec

Title: Perfect score:

US-10-720-323-7 623 1 QVQLVESGGGVVQPGRSRRL.....ARGSXAFDIWGQGIMVTVSS Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283416 segs, 96216763 residues Searched:

283416 hits satisfying chosen parameters: Total number of

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

PIR 80: * 1: pir1: * 2: pir2: * 3: pir3: * 2 E 4

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Ig heavy chain V r Ig Description S31679 S31116 E36005 G36005 S31117 S48797 PH1645 A49028 S70442 S38493 S31112 S31601 S46392 S31510 S31598 PH1643 A60943 M3HUAM PL0098 F36005 DB Length Query Match 8833.1 8822.6 8822.6 8822.7 8822.7 8821.1 88 Score 558 534.5 537.5 537.5 527.5 527.5 527.5 527.5 527.5 51 Result Š.

Ig heavy chain V r	Ig heavy chain V r	Iq heavy chain V-D	Ig heavy chain - h	Ig heavy chain V r	Ig heavy chain V r	Ig variable region	Ig heavy chain V r	Ig heavy chain V-I		Ig heavy chain V r	Iq heavy chain - h	Ig heavy chain - h	Ig heavy chain V r	Ig heavy chain - h	Ig heavy chain V r
PH1646	S31677	844111	831107	S46391	S78486	137780	PH1662	GIHUNI	S31595	C36005	S31108	S38489	531666	S38490	PH1660
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109	118	120	119	114	117	147	118	119	128	119	119	127	138	113	118
79.3	79.1	79.1	78.8	78.6	78.3	78.3	77.9	77.7	77.3	77.0	77.0	77.0	77.0	9.94	76.5
494	492.5	492.5	491	489.5	488	487.5	485.5	484	481.5	480	480	480	480	477	476.5

ALIGNMENTS

RESULT

	F36005	
	Ig heavy chain V region (M49) - human	
	C;Species: Homo sapiens (man)	
	C;Date: 21-Dec-1990 #sequence_revision 21-Dec-1990 #text_change 31-Dec-2004	
	C;Accession: F36005	
	R;Schroeder Jr., H.W.; Wang, J.Y.	
	Proc. Natl. Acad. Sci. U.S.A. 87, 6146-6150, 1990	
	A:Title: Preferential utilization of conserved immunoglobulin heavy chain variable gene	gene
	A; Reference number: A36005; MUID:90349571; PMID:2117273	,
	A/Accession: F36005	
-	A;Status: preliminary	
-	A; Molecule type: mRNA	
_	A;Residues: 1-119 <sch></sch>	
	A; Cross-references: UNIPROT: Q8WUK1; UNIPARC: UPI0000176C32; GB:M34026	
	C; Genetics:	
	A;Gene: GDB:IGH@; IGHDY1	
-	A;Cross-references: GDB:118731; OMIM:146910	
	A; Map position: 14q32.33-14q32.33	
	C;Superfamily: immunoglobulin homology	
	C; Keywords: heterotetramer; immunoglobulin	
	F;15-98/Domain: immunoglobulin homology < IMM>	
	Onery Match 80 68. Grave 550. DD 3. Tenath 110.	
	Similarity 89.1%; Pred, No. 4.8e-46;	
	Matches 106; Conservative 5; Mismatches 8; Indels 0; Gaps 0;	
	Qy 1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY 60	
	DD 1 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAVISYDGSNKYY 60	
	ILLRAEDTAVYYCAR	
	DD 61 ADSV(RRFT1SRIVI)**	

RESULT 2 831679 Ig heavy chain V region - human (fragment) C;Species: Homo sapiens (man) C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999 C;Accession: 831679	R;Cuisinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C. submitted to the EMBL Data Library, June 1992 A;Description: Mechanisms that generate human immunoglobulin diversity operate from th?Reference number: 831585	A;Status: preliminary A;Molecule type: mRNA A;Residues: 1-134 «CUI» A;Cross-references: UNIPARC:UP10000116475; EMBL:Z14203; NID:g30965; PIDN:CAA78572.1; C;Superfamily: immunoglobulin V region; immunoglobulin homology
RESULT 2 S31679 Ig heavy chain V reg C;Species: Homo sapi C;Date: 22-Nov-1993 C;Accession: S31679	R;Cuisinier, A.M.; G submitted to the EME A;Description: Mecha A;Accession: S31679	A,Status: preliminary A,Molecule type: mRNA Residues: 1-134 <cuida, A,Cross-references: UNI C,Superfamily: immunogl</cuida,

137781 PH1642 S31587

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A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-13 <CUI>
A;Cross-references: UNIPARC:UPI0000116455; EMBL:Z14168; NID:g30999; PIDN:CAA78537.1; PID
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
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R;Cuisinher, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.
submitted to the EMBL Data Library, June 1992
A;Description: Mechanisms that generate human immunoglobulin diversity operate from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C,Accession: G36005
R,Schroeder Jr., H.W.; Wang, J.Y.
R,Schroeder Jr., H.W.; Wang, J.Y.
A,Title: Preferential utilization of conserved immunoglobulin heavy chain variable gene A,Reference number: A36005; WUID:90349571; PMID:2117273
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C;Date: 03-Mar-1994 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Homo sapiens (man)
C;Date: 21-Dec-1990 #sequence_revision 21-Dec-1990 #text_change 31-Dec-2004
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                          3; Gaps
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A;Molecule type: mRNA
A;Residues: 1-121 «SCH»
A;Cross-references: UNIPROT:Q8WUK1; UNIPARC:UPI0000176C2C; GB:M34031
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                          IndelB
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84.4%; Pred. No. 4.3e-44;
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                          5; Mismatches
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C,Superfamily: immunoglobulin homology
C,Keywords: herctetramer; immunoglobulin
F,15-98/Domain: immunoglobulin homology <IMM>
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                              Matches 103; Conservative
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Best Local Similarity
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Best Local Similarity
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C;Species abpiens (man)
C;Date: 02-Dec-1993 #sequence_revision 26-May-1995 #text_change 31-Dec-2004
C;Accession: S31116
R;Raaphorst, F.M.; Timmers, E.; Kenter, M.J.H.; van Tol, M.J.D.; Vossen, J.M.; Schuurman Bur. J. Immunol. 22, 247-251, 1992
A;Title: Restricted utilization of germ-line V(H)3 genes and short diverse third complem A;Reference number: S31104; MUID:92111633; PMID:1730252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A Molecule type: mRNA
A;Residues: 1-118 <RAA>
A;Cresidues: 1-118 <RAA>
A;Crose-references: UNIPROT:Q8WUKI; UNIPARC:UPI0000176E37; EMBL:X62966
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1991
C;Superfamily: immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
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                                                                                                    Length 134;
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                                                                                                                                                                6; Indels
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1.4e-44;
                                                                                                                                                                5; Mismatches
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   C; Keywords: heterotetramer; immunoglobulin F;34-117/Domain: immunoglobulin homology <IMM>
                                                                                                Score 543;
Pred. No. 1
                                                                                                87.2%;
                                                                                                Query Match
Best Local Similarity 87.4*
Matches 104; Conservative
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Ig heavy chain - human
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Query Match

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A;Cross-references: UNIPARC:UP1000011663F; EMBL:Z31686; NID:g509782; PIDN:CAA83491.1; P:C.Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F:15-98/Domain: immunoglobulin homology <IMM>
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C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: O2-Dec-1993 #sequence_revision 26-May-1995 #text_change 17-Mar-1999
C;Accession: S31117
R;Raaphorst, F.M.; Timmers, E.; Kenter, M.J.H.; van Tol, M.J.D.; Vossen, J.M.; Schuurmar Bur. J. Immunol. 22, 247-251, 1992
A;Title: Restricted utilization of germ-line V(H)3 genes and short diverse third complement R;Raephorst: S31104; MUDD:92111633; PMID:1730252
A;Accession: S31117
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
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A;Residues: 1-122 <RAA>
A;Residues: 1-122 <RAA>
A;Cross-references: UNIPARC:UPI0000176C8D; EMBL:X62967
A;Cross-references: UNIPARC:UPI0000176C8D; EMBL:X62967
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1991
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;15-98/Domain: immunoglobulin homology <IMM>
  on the surface of
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                                                                                                                                                                                                                                                                                                               C.Species: Home sapiens (man)
C.Species: Home sapiens (man)
C.Date: 27-Jan-1995 #sequence_revision 27-Jan-1995 #text_change 20-Jun-2000
C.Accession: $46390
J. Mol. Biol. 239, 68-78, 1994
A.Title: In vitro assembly of repertoires of antibody chains on the surface A.Reference number: $46390; MUID:94254092; PMID:8196048
A.Reference number: $46390
A.Status: preliminary
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Pred. No. 3.2e-42;
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84.0%; Pred. No. 3...
6; Mismatches
                                                                                                                                                                                                                                                                                         Ig heavy chain V region - human
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Matches 100;
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1g heavy chain V region - human (fragment)

C; Species: Hono sapiens (man)

C; Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999

C; Accession: Silvoi

R; Cutsinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.

submitted to the EMBL Data Library, June 1992

A; Description: Mechanisms that generate human immunoglobulin diversity operate from the

A; Reference number: Sils85

A; Accession: Silvoi

A; Retus: preliminary

A; Molecule type: mRNA

A; Readues: L-13 <CUT

A; Readues: L-13 <CUT

C; Superfamily: immunoglobulin V region; immunoglobulin homology

C; Superfamily: immunoglobulin homology <IMM>

F; 34-117/Domain: immunoglobulin homology <IMM>
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S1966
Ig heavy chain V region (VH3DJH4) - human
C;Species: Home sapiens (man)
C;Date: 22-Jan-1993 #sequence_revision 22-Jan-1993 #text_change 20-Jun-2000
C;Date: 22-Jan-1993 #sequence_revision 22-Jan-1993 #text_change 20-Jun-2000
C;Accession: S19666
R;Marks, J.D.; Hoogenboom, H.R.; Bonnert, T.P.; McCafferty, J.; Griffiths, A.D.; Winter, J. Mol. Biol. 222, 581-597, 1991
A;Title: By-passing immunization. Human antibodies from V-gene libraries displayed on ph A;Recession: S19663; MUD:92085276; PMID:1748994
A;Accession: S19663; MUD:92085276; PMID:1748994
A;Accession: S19663
A;Molecule type: mRNA
A;Residues: 1-121 <MRNA
A;Residues: 1-121 <MRNA
A;Residues: 1-121 <MRNA
C;Superfemily: immunoglobulin V region: immunoglobulin homology
C;Superfemily: immunoglobulin homology <IMM>
F;15-98/Domain: immunoglobulin homology <IMM>
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                                                    Length 132;
                        Score 528; DB 2; Length L. Pred. No. 3.8e-43;
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Best Local Similarity 86.6%; Pred. No. 4.4e-43;
Matches 103; Conservative 5; Mismatches 10
                                                 Query Match
84.8%; Score 528; DB
Best Local Similarity 85.7%; Pred. No. 3.8e
Matches 102; Conservative 6; Mismatches
F;30-113/Domain: immunoglobulin homology <IMM>
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C;Accession: PH1645
R;Hillson, J.L.; Karr, N.S.; Oppliger, I.R.; Mannik, M.; Sasso, E.H.
C,Exp. Med. 178, 331-336, 1993
A;Title: The structural basis of germline-encoded VH3 immunoglobulin binding to staphylo A;Reference number: PH1642; MUID:93301610; PMID:8315388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Accession: A49028
R;Timmers, E.; Kenter, M.; Thompson, A.; Kraakman, M.E.; Berman, J.E.; Alt, F.W.; Schuur Britmers, E.; Kenter, M.; Thompson, A.; Kraakman, M.E.; Berman, J.E.; Alt, F.W.; Schuur Brit. J. Immunol. 21, 2355-2363, 1991
A;Title: Diversity of immunoglobulin heavy chain gene segment rearrangement in B lymphob A;Reference number: A49028; MUID:92008140; PMID:1915549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Molecule type: mRNA
A;Residues: 1-133 <TIM>
A;Cross-references: UNIPARC:UPI0000113F2C; GB:S64471; NID:g236904; PIDN:AAB20011.1; PID:
A;Experimental source: X-linked agammaglobulinemia patients, B lymphoblastoid cell lines
A;Note: sequence extracted from NCBI backbone (NCBIN:64471, NCBIP:64470)
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer: immunoglobulin
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20 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPCKGLEWVAVISYDGSNKYY 79
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C;Date: 21-Jan-1994 #sequence_revision 18-Nov-1994 #text_change 23-Jul-1999
                                                                                                                                                                                                                                                            C;Species: Homo sapiens (man)
C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 31-Dec-2004
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                                                       61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYA-FDIWGQGTMVTVSS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: UNIPROT: Q8WUK1; UNIPARC: UPI0000176B7B C;Superfamily: immunoglobulin homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    83.0%; Score 517; DB 2; Li
85.6%; Pred. No. 3.5e-42;
                                                                                                                                                                                                                               chain V region (clone 6C8) - human (fragment)
s: Homo sapiens (man)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 516; DB 2;
Pred. No. 5.2e-42;
6; Mismatches 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ig heavy chain V-III region - human (fragment)
C;Species: Homo sapiens (man)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C; Keywords: heterotetramer; immunoglobulin F;7-90/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               82.8%;
82.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Molecule type: mRNA
A; Residues: 1-111 <HIL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Accession: A49028
A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     117 VSS 119
                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Accession: PH1645
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Best Local Simil
Matches 101;
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Ig heavy chain V region - human (fragment)

C;Species: Home sapiens (man)

C;Species: Home sapiens (man)

C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 23-Jul-1999

C;Accession: S31674

R;Cuisinier, A.M.; Gauthier, L.; Boubli, L.; Fougereau, M.; Tonnelle, C.

8ubmitted to the EMBL Data Library, June 1992

A;Description: Mechanisms that generate human immunoglobulin diversity operate from the A;Reference number: S31585

A;Reference number: S31585

A;Ression: S31674

A;Reterence number: S31585

A;Ression: S31674

A;Status: prellminary

A;Residues: 1-139 cCIII

A;Cupersences: UNIPARC:UPI0000116476; EMBL:Z14204; NID:g30967; PIDN:CAA78573.1; PID

C;Superfamily: immunoglobulin V region; immunoglobulin homology

C;Keywords: heterotetramer; immunoglobulin

F;34-117/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                            A; Molecule type: mRNA
A; Residues: 1-128 «MAHA
A; Residues: 1-128 «MAHA
A; Residues: 1-128 «MAHA
A; Residues: 1-128 «MAHA
A; Consolar type: Marker, G.; Marks, J.D.; Llewelyn, M.B.; Winter, G.
J. Mol. Biol. 227, 776-798, 1992
J. Mol. Biol. 227, 776-798, 1992
J. Mol. Biol. 227, 776-798, 1992
A; Title: The repertoire of human germline V(H) sequences reveals about fifty groups of V
A; Reference number: $26885; MUID: 93021117; PMID: 1404388
A; Residues: 1-98 «TOM»
A; Residues: 1-98 «TOM»
A; Residues: 1-98 «TOM»
A; Cross-references: UNIPARC: UPIO000038183; EMBL: Z12350; NID: 932922; PIDN: CAA78220.1; PID
C; Superfamily: immunoglobulin immunoglobulin homology
C; Keywords: heterotetramer; immunoglobulin homology < TOM»
F; 15-98/Domain: immunoglobulin homology < TOM»
                                                                                                                                                          S48797

Ig heavy chain V region (anti-Sm, VH3/Dxp4/JH6) - human (fragment)

Ig heavy chain V region (man)

C;Species: Homo sapiens (man)

C;Date: 13-Jan-1995 #sequence_revision 13-Sep-1998 #text_change 23-Jul-1999

C;Accession: S48797; S26863

Bubmitted to the EMBL Data Library, October 1994

A;Reference number: S48797

A;Reference number: S48797
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDNYYYDSSGYYYYYGMDVWGQ 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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84.2%; Pred. No. 3.9e-42;
tive 6; Mismatches 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 517.5; DB 2
Pred. No. 3.6e-42;
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83.1%; Score 517.5;
Best Local Similarity 79.7%; Pred. No. 3.6e
Matches 102; Conservative 7; Mismatches
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Best Local Simil
Matches 101;
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121 VSS 123

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RESULT 15
S70442
Ig heavy chain precursor V region (mu) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 24-Jul-1998 #sequence_revision 24-Jul-1998 #text_change 31-Dec-2004
C;Accession: 870442
R;Cidisinier, Am ; Fumoux, F.; Fougereau, M.; Tonnelle, C.
Mol. Immunol. 29, 1363-1373, 1992
A;Title: IgM kappa/lambda EBV human B cell clone: an early step of differentiation of fe A;Reference number: 870442; MulD:93024508; PMID:1383695
A;Accession: 870442
A;Status: not compared with conceptual translation
A;Accession: 1-140 cCUI>
A;Residues: 1-140 cCUI>
A;Cross-references: UNIPROT:Q8WUKI; UNIPARC:UPI0000176EB7
C;Superfamily: immunoglobulin homology cIMM>
F;34-117/Domain: immunoglobulin homology cIMM>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 82.6%; Score 514.5; DB 2; Length 140; Best Local Similarity 83.3%; Pred. No. 7.7e-42; Matches 100; Conservative 6; Mismatches 13; Indels 1.
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Search completed: December 14, 2005, 07:44:53 Job time : 18.8722 secs

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GenCore version 5.1.6

Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: December 14, 2005, 07:32:04 ; Search time 101.176 Seconds

(without alignments)

829.818 Million cell updates/sec
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Title: US-10-720-323-7
Perfect score: 623
Sequence: 1 QVQLVESGGGVVQPGRSRRL.....ARGSYAFDIWGQGTMVTVSS 119

Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5

Gapup 10.0 , Gapekt 0.5 Searched: 2166443 gegg, 705528306 residues Total number of hits satisfying chosen parameters: 2166443

Minimum DB seq length: 0 Maximum DB seq length: 200000000 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Uniprot_05.80:*
1: uniprot_sprot:*
2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		sapien				sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	sapien	rattus norv	sapien	sapien	sapien	sapien	sapien	sapien		as norv	us norv	
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	Description	08wuk1	09u193	065zc9	P01768	Q9u190	Q9u184	P01770	Q569£4	QSefes	Q6pja4	06n092	09u171	Q6pi81	Q6pj95	P01771	Q9y509	08wu38	P01769	Q9u191	69960	Q4vbh1	Q6n089	P01772	Q9u172	O6mzu6	Q6gmx2	Q6gmy2	Q6p6c4	Q5pqk9	05m7v3	
SUMMARIES		HUMAN	HUMAN	Q652C9_HUMAN	UMAN	29UL90 HUMAN	29UL84 HUMAN	UMAN	Q569F4 HUMAN	HUMAN	HUMAN	HUMAN	HUMAN	HUMAN	Q6PJ95 HUMAN	UMAN	29Y509 HUMAN	Q8WU38 HUMAN	UMAN	Q9UL91 HUMAN	HUMAN	1_RAT	D6N089 HUMAN	UMAN	Q9UL72 HUMAN	HUMAN	HUMAN	HUMAN	HUMAN	RAT	_RAT	1
SOM	8	O8WUK1	09UL93	065ZC9	HV3G H	Q9UL90	09UL84	HV3I H	Q569 <u>F</u> 4	OSEFES	Q6PJA4	Q6N092	_17JU60	Q6PI81	Q6PJ95	HV3J HUMAN	09 X509	QBWU3B	HV3H HUMAN	Q9UL91	Q96BB9	Q4VBH1	Q6N089	HV3K HUMAN	Q9UL72	Q6MZU6_1	Q6GMX2	O6GMY2	Q6P6C4	Q5PQK9	Q5M7V3 RAT	
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	Length	613	116	240	122	113	122	119	469	475	470	519	121	478	544	121	147	573	122	118	597	467	472	126	118	464	493	909	465	479	461	
•	Query Match	86.6	81.5	80.9	80.8	79.5	78.3	7.77	77.0	77.0	76.2	76.1	75.9	75.9	75.7	75.6	74.9	74.9	74.7	74.4	74.3	74.1	73.7	73.0	72.3	72.2	71.7	711.7	71.3	71.1	70.9	
	Score	539.5	508	504	503.5	495	487.5	484	479.5	479.5	475	474	473	473	471.5	471	466.5	466.5	465.5	463.5	463	461.5	459	454.5	450.5	450	447	446.5	444.5	443	441.5	
	Result No.	1	7	e	4	S	9	7	æ	σ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	53	30	

~	Q5i0j0 rattus norv	_	P01783 mus musculu	Q6mzv7 homo sapien		Q6mzq6 homo sapien		Q6mzv6 homo sapien		QSf2i8 mus musculu		Q96k68 homo sapien	Q6in78 homo sapien
Q62VX0_HUMAN	OSIOJO RAT	Q5BK12_RAT	HV16 MOUSE	Q6MZV7 HUMAN	Q6PDB8 MOUSE	Q6MZQ6 HUMAN	Q9HCC1 HUMAN	Q6MZV6_HUMAN	Q68CN4_HUMAN	QSF2I8 MOUSE	HV3L HUMAN	Q96K68 HUMAN	Q6IN78_HUMAN
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487	465	479	136	473	485	475	112	479	470	119	119	494	466
70.5	70.4	70.1	70.1	70.1	8.69	69.7	9.69	9.69	69.5	69.3	69.2	69.1	0.69
439.5	438.5	437	436.5	436.5	435	434.5	433.5	433.5	433	431.5	431	430.5	430

ALIGNMENTS

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A STEAGUE PETIMARY B-Cells,

X TISSUE=Primary B-Cells,

X Straueberg R.L., Feathgold E.A., Grouse L.H., Derge J.G.,

RA Straueberg R.L., Feathgold E.A., Grouse L.H., Derge J.G.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.M., Schuler G.D.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Stapleton M., Soares M.B., Donald M.F., Casavant T.L., Scheetz T.E.,

RA Rabla S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

RA Richards S., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

RA Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Glibbs R.A.,

RA Nillalon D.K., Muzny D.M., Sodergren B.J., Lu X., Glibbs R.A.,

RA Niting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Rodriguez A.C., Grimwood J.S., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

RA "Generation and initial analysis of more than 15,000 full-length human and man and the service of the service 
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PubMed=2117273;
Schroeder H.W. Jr, Wang J.Y.;
"Preferential utilization of conserved immunoglobulin heavy chain
variable gene segments during human fetal life.";
Proc. Natl. Acad. Sci. U.S.A. 87:6146-6150(1990).
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Pubmed=1383695; DOI=10.1016/0161-5890(92)90173-U;
Cuisinier A.M., Fumoux F., Fougereau M., Tonnelle C.;
                                                                                                                                                                               Last sequence update)
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                                                613 AA.
                                                PRT;
                                                                                                                                             Created)
                                                                                                                                   01-MAR-2002 (TrEMBLrel. 20,
01-MAR-2002 (TrEMBLrel. 20,
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                                  QBWUK1_HUMAN PRELIMINARY;
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Q9UL93;
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"Restricted utilization of germ-line VH3 genes and short diverse third complementarity-determining regions (CDR3) in human fetal B lymphocyte immunoglobulin heavy chain rearrangements.";

Eur. J. Immunol. 22:247-251(1992).
                                                                                                                                                                                                                                                                                                                                     PubMed=1904154;
Neale G.A., Kitchingman G.R.;
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Nucleic Acids Res. 19:2427-2433(1991).
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Raaphorst F.M., Timmers E., Kenter M.J., Van Tol M.J., Vossen J.M.,
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PubMed=2840480; DOI=10.1084/jem.168.1.229;
Bland J., Galili, N., Link M., Stites D., Sklar J.;
Bland J., Galili, N., Link M., Stites D., Sklar J.;
"Continuing rearrangement but absence of somatic hypermutation in immunoglobulin genes of human B cell precursor leukemia.";
J., Exp. Med. 168:229-245(1988).
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NUCLEOTIDE SEQUENCE.

NUCLEOTIDE DISLO.1084/jem.169.4.1391;

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86.7%; Pred. No. 3.8e-48;
ive 6; Mismatches 9; Indels 1;
"IGM kappa/lambda EBV human B cell clone: an early step of differentiation of fetal B cells or a distinct B lineage?"; Mol. Immunol. 29:1363-1373(1992).
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PROSITE; PS50835; IG LIKE; 5.
PROSITE; PS00290; IG HAC; UNKNOWN_3.
Immunoglobulin domain.
SEQUENCE 613 AA, 67296 MW; 60C7F5950671E315 CRC64;
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SMR; Q8WUKI; 20-242.
SMR; Q8WUKI; 20-242.
Ensembl; ENSG0000130076; Homo sapiens.
InterPro; IPR007110; Ig-like.
InterPro; IPR003597; Ig_c..
InterPro; IPR003596; Ig_MHC.
InterPro; IPR003596; Ig_V.
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Best Local Similarity 86.7
Matches 104; Conservative
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PIR; PH1643; PH1644.
PIR; PH1646; PH1646.
PIR; PL0098; PL0098.
PIR; PL0120; PLR; S15590; S15590.
PIR; S31116; S31116.
PIR; S31116; S31116.
PIR; S70442; S70442.
HSSP, P01861, JADQ.
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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A Bird J., Galili N., Link M., Stites D., Sklar J.;

Bird J., Galili N., Link M., Stites D., Sklar J.;

Bird J., Galili N., Link M., Stites D., Sklar J.;

"Continuing rearrangement but absence of somatic hypermutation in immunoglobulin genes of human B cell precursor leukemia.";

J. Exp. Med. 168:229-245(1988).

I. Exp. Med. 168:229-245(1988).

B FMI; PHI644; PHI644.

PR; PL0120; PL0120.

R HSSP; P01772; 2FB4.

R SMR; OgUU39; 1-116.

InterPro; IPR007110; Ig-like.

InterPro; IPR00710; Ig-like.

InterPro; IPR007159; IJ.

SMART; SM00406; IGV; I...
20 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYY
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MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531;
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83.1%; Pred. No. 1.2e-45;
iive 5; Mismatches 13; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
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                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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"Amino acid sequence of the variable region of a human mu chain:
"Jocation of a possible JH segment.";
Proc. Natl. Acad. Sci. U.S.A. 77:3239-3243(1980).
-!- MISCELLANBOUS: This mu chain was isolated from the plasma of patient with macroglobulinemia.
-!- SIMILARITY: Contains 1 Ig-like (immunoglobulin-like) domain.
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MEDLINE=97362799; PubMed=9219263; DOI=10.1038/nbt0797-629;
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"Complement recruitment using bispecific diabodies.";
Nat. Biotechnol. 15:629-631(1997).
EMBL: Y13056; CAA73499.1; -; mRNA.
InterPro; IPR003599; Ig.
InterPro; IPR003596; Ig-v.
SMART; SM00406; IG.2.
PROSITE; PSE0835; IG_LIKE; 2.
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10-MAY-2005 (Rel. 47, Last annotation update)
19 heavy chain V-III region CAM.
    240 AA
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MEDLINE-81013859; PubMed=6774332;
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Q652C9_HUMAN PRELIMINARY;
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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MEDLINE-98277139; PubMed-9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
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01-WAY-2000 (TrEMBLrel. 13, Last sequence update)
01-WAY-2004 (TrEMBLrel. 26, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
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HSSP; P01772; 2FB4.

SMR; P01772; 2FB4.

GO; GO:0005875; C:extracellular region; NAS.

GO; GO:0005875; P:immune response; NAS.

InterPro; IPR007110; Ig-1ike.

InterPro; IPR007110; Ig-1ike.

INTERPRO; IGV; IG-1ike.

FROSITE; PS50835; IG_LIKE; I.

InterPro; IRR03596; IG-1ike.

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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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MEDLINE-98277139; PubMed-9614934; DOI-10.1006/clin.1998.4531;
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                                                                             Length 113;
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01-WAY-2000 (TrEMBLrel. 13, Last sequence update)
01-CCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
                                                                                                                        10; Indels
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113 113
113 AA; 12437 MW; ED57FDD19086D07F CRC64;
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122 AA; 13579 MW; 36054D41366545B8 CRC64;
                                                                               Score 495; DB 2;
Pred. No. 2.7e-44;
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EMBL; AF035030; AAD56266.1; -; mRNA.
HSSP; P01772; 2F84.
SMR; O9UL84; 1-122.
Ensembl; ENSG0000130076; Homo sapiens.
InterPro; IFR007110; Ig-11ke.
InterPro; IFR003596; Ig-v.
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| Similarity 79.8%;
95; Conservative
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                                                                                 Query Match
Best Local Similarity
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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"The rule of antibody structure. The primary structure of a monoclonal IgG1 immunoglobulin (myeloma protein Nie). III. The chymotryptic peptides of the H-chain, alignment of the tryptic peptides and discussion of the complete structure.";
Hoppe-Seyler's Z. Physiol. Chem. 357:1571-1604(1976).
                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=77070267; PubMed=1002129;
MEDLINE=77070267; PubMed=1002129;
Dreker L., Schwarz J., Reichel W., Hilschmann N.;
Rule of antibody structure. The primary structure of a monoclonal 1gG1 immunoglobulin (myeloma protein Na), I: purification and characterization of the protein, the L- and H-chains, the cyanogen brondle clasvage products, and the disulfide bridges.";
Hoppe-Seyler's Z. Physiol. Chem. 357:1515-1540(1976).
-I- MISCELLANEOUS: This chain was isolated from an 1gG1 myeloma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein.
-!- SIMILARITY: Contains 1 Ig-like (immunoglobulin-like) domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ch 77.7%; Score 484; DB 1; Length 119; 1 Similarity 76.5%; Pred. No. 4.1e-43; 91; Conservative 13; Mismatches 15; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pyrrolidone carboxylic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SMART; SM00406; IGv; 1.-
PROSITE; PS50835; IG_LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region; Pyrrolidone carboxylic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Last sequence update)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
1g heavy chain V-III region NIE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SMR; P01770; 1-119.

GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0008531; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
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                                                                                                                                                                                                                                                                                                    PubMed=826475;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q569F4 HUMAN PRELIMINARY;
Q569F4;
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                                                                                            Homo sapiens (Human).
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                                                                                                                                                                                                                                                                                                    MEDLINE=77070269;
                                                                                                                                                                                                                                                                        PROTEIN SEQUENCE.
                                                                                                                                                                               Homo.
NCBI_TaxID=9606;
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Q569F4 HU
ID Q569
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SEQUENCE
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Niausner R.D., Collins F.S., Wagner L.H., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Scheefer C.F., Bhart N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Scheefer C.F., Bhart N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Scheefer C.F., Bhart N.K.,
Both Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Carainci P., Prange C.,
Brownstein M.J., Usdin T.B., Tooshiyuki S., Carainci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Brownstein M.J., Widnin T.B., Tooshiyuki S., Carainci P., Prange C.,
Raba S.S., McWann P.J., McKernan K.J., Malek J.A., Glubbs R.A.,
Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Glibbs R.A.,
Whiting M., Madan A., Young A.C., Shevcheko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Schnerch A., Schain J.E., Jones S.J.M., Marra M.A.;
H. Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 VDSVKGRFIISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYA---FDIWGQGTWVTV 117
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                               Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             80 ADSVKGRFTISRDNSKNSLYLQMNSLRAEDTALYYCA--TRGGYSTAGFDYWGGGTLVTV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY
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                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            77.0%; Score 479.5; DB 2; Length 469; 76.2%; Pred. No. 6.1e-42; ive 11; Mismatches 13; Indels 5.
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NIS MGC Project;

NIH MGC Project;

Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.

EMBL; BC092518; AAH92518.1; -; mRNA.

STOTIENCE 469 AA; 51254 MW; AC13448E3047784F CRC64;
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10-WAY-2005 (TrEMBLrel. 30, Last sequence update)
10-WAY-2005 (TrEMBLrel. 30, Last annotation update)
Anti-RhD monoclonal T125 gammal heavy chain precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
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Gaucher C., Klein P., Beliard R.;
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QSEFES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 76.2
Matches 93, Conservative
                                                               Name=IGHG1;
Homo sapiens (Human).
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSY-----AFDIWGQGT 113
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MEDINE-218825; PubMed-12477932; DOI=10.1073/pnas.242603899;

Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

MALSTONE R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A District R. Marusina K., Farmer A.A., Rubin G.M., Hong L.,

District M.J., Wadin T.B., Toshiyuki S., Carninci P., Frange C.,

Rownstein M.J., Uddin T.B., Toshiyuki S., Carninci P., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Miting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Blakesley R.W., Truchman J.W., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 QVQLVESGGGVVQPGRSLRLSCTASGFTFKNYAMHWVRQAPAKGLEWVATISYDGRNIOY
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"Sequence determination of the recombinant human anti-RhD monoclonal antibody T125.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Potential.
anti-RhD monoclonal T125 gammal heavy
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                                                           Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         chain.
; 1367D400DC7D2859 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  77.0%; Score 479.5; DB 2
74.6%; Pred. No. 6.2e-42;
iive 5; Mismatches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               470 AA
                                                                              EMBL; AY894992; AAM82028.1; -; mRNA.
InterPro; IPR003599; Ig. 1; -; mRNA.
InterPro; IPR003599; Ig. 1: -; mRNA.
InterPro; IPR003599; Ig. 1: -; mRNA.
InterPro; IPR003599; Ig. 1: -; mFOTOSE, Ig. MHC.
InterPro; IPR003596; Ig. WHC.
InterPro; IPR003596; Ig. V.
Fam; PFOTOSE, Cl. eet; J.
Fam; PFOTOSE, V-set; 1.
SWART; SW00409; IG; 2.
SWART; SW00406; IGV; 1.
PROSITE; PS50835; IG.LIKE; 4.
PROSITE; PS00290; IG_MHC; UNKNOWN_2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QEPJA4 HUMAN PRELIMINARY;
QEPJA4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94; Conservative
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475
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Name=IGHG1;
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519 AA; 56423 MW; F839EE7F811EB88D CRC64;
                                                                                                                                                                                                                                                                                                                                                               / Match 76.1%; Score 474; DB 2;
Local Similarity 75.0%; Pred. No. 2.6e-41;
Nes 93; Conservative 9; Mismatches 16;
SMART; SM00409; IG; 4.
SMART; SM00407; IGC1; 2.
SMART; SM00406; IGV; 1.
PROSITE; PS00835; IG LIKE; 4.
PROSITE; PS00290; IG_MHC; UNRXYOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QOUL71 HUMAN PRELIMINARY;
QOUL71;
                                                                                                                                                                                                              Hypothetical protein...
NON TER 1
SEQUENCE 519 AA; 50
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Best Local Similarity
Matches 93; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           116 TVSS 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      163 TVSS 166
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09UL71 HUMAN
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYA--FDIWGQGTWVTVS 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 EVQLVESGGGLVQPGGSLRLSCVVSGFTFSSYMMSMVRQAPGKGLEWVANIKQDGSEKYY 79
                Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dukaryota; Metaroa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTWHWVRQAPGKGLEWVAVISFDGSNKYY
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C TISSUE=Human esophagus tumor;

TISSUE=Human consortium;

THE German Human cDNA Consortium;

A Mambutt R., Heubner D., Mewes H.W., Weil B., Amid C., Osanger A.,

R FODO G., Han M., Wiemann S.;

L Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.

E MBL; BX640624; CAE45778.1; -; mRNA.

R EMBL; BX640624; CAE45778.1; -; mRNA.

R RSPP: P01842; 1AQK.

R InterPro; IPR003597; Ig.

R InterPro; IPR003597; Ig.

R InterPro; IPR003066; Ig.MG.

R InterPro; IPR003597; Ig.

R InterPro; IPR003597; Ig.

R InterPro; IPR003597; Ig.

R InterPro; IPR003597; Ig.

R Pfam; PF07654; CL-set; Z.

R Pfam; PF00047; ig. 1.
                                                                                                                                                                                                                                                                             | MIN MGC Project; | MIN MGC Project; | Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases. | Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases. | R MSR; | MOSD44; | 20-470. | MOSTE; | PRO01861; | 1ADQ. | MOSTE; | PRO01861; | 1G_11ke. | Moster | PRO018597; | 1G_2. | Moster | PRO018597; | 1G_2. | Moster | PRO018597; | 1G_2. | Moster | PRO01869; | 1G_2. | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster | Moster
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein DKFZp686K18196 (Fragment)
Name=DKFZp686K18196;
Homo sapiens (Human)
                                                                                                                                    Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     76.2%; Score 475; DB 2; 76.9%; Pred. No. 1.8e-41; iive 8; Mismatches 18;
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Best Local Similarity (2000)
Local 93; Conservative
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Q6N092;
                                                                                               and mouse cDNA sequences.
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61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAR-EARGSY-AFDIWGQGTMVTVS 118
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                                                                                                                             61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSY----AFDIWGQGTMV 115
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                  1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWRQAPGKGLEWVAVISFDGSNKYY
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MEDLINE-98277139; PubMed-9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
Young D.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 75.9%; Score 473; DB 2; Length 121; ilarity 76.9%; Pred. No. 6.1e-42; Conservative 10; Mismatches 16; Indels
Length 519;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-CT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin heavy chain variable region
                                                   16; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE 121 AA; 13154 MW; 2F045CCFA5D50736 CRC64;
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fetus...;
Clin. Immunol. Immunopathol. 87:184-192(1998).
EMBL; AF035043; AAD56279.1; -; mRNA...
HSSP; PO1852; 1NFD.
SMR; Q9UL71; 1-121.
E Braembl; ENSG0000130076; Homo sapiens.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
R SMART; SM00406; IGv. 1.
R SMART; SM00406; IGv. 1.
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Query Match
Best Local &
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TISSUB-Erimary B-Cells;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

METARUSPERS R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

Diatchenco L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Schetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunarathe P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Raheto J., Helton B., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield W. Schein J.E., Jones B.J.M., Marra M.A.;

Bandenezation and initial analysis of more than 15,000 full-length human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 QVQLVESGGGVVQPGRSRRLSCAASGFTFSRYTMHWVRQAPGKGLEWVAVISFDGSNKYY 60
                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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EMBL; BC041037; AAH41037.1; -; mRNA.
HSSP; P01861; 1ADQ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SMAAT, SUNCINCY, TO THE , 4.

PROSITE; PS00290; IG_MHC; UNKNOWN 2.

SEQUENCE 478 AA; 52667 MW; 17BED38D917970D6 CRC64;
                                                                                                                                                                                                                                                       05-UUL-2004 (TrEMBLrel. 27, Created)
05-UUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
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InterPro; IPR007110; Ig-like.
InterPro; IPR003597; Ig c1.
InterPro; IPR003006; Ig MHC.
InterPro; IPR003596; Ig v.
Pfam; PF07654; C1-set; 3.
                                                                                                                                                                                      OFPIBL HUMAN PRELIMINARY;
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SMART; SM00407; IGc1; 3.
SMART; SM00406; IGv; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9606;
                     121
                                                                                                                                                                                                                                                                                                                                                                      IGHM protein.
—თ
                                                                                                                                                                                                                                                                                                                                                                                                             Name=IGHM;
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MEDLINE-23188351, PubMed-12477932; DOI=10.1073/pnas.242603899;

Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Klausner R.D., Collins F.S., Wagner L., Shemmen C.W., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jordan H., Moore T.W., Rubin G.M., Hong L.,

Altschenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Blatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Aspleton M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Robak S.A., McEwan P.U., McKernan K.J., Malek J.A., Gunaratne P.H.,

Atchards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.W.,

Millalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Raha S.S., Morley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Millalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Raha S.S., Garcia A.M., Green E.D., Dickson M.C.,

Rodiguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Rodriguez A.C., Grimwood J., Schmutz J., Marra M.A.;

Rodriguez A.C., Grimwood J., Schwutz J., Marra M.A.;

Rodriguez A.C., Grimwood J., Schmutz J., Marra M.A.;

Rodriguez A.C., Grimwood J., Schmutz J., Marra M.A.;

Rodriguez A.C., Grimman J.W., Green E.D., Dickeo J., Submuta J., Submuta M.A.;

Rodriguez A.C., Grimman J.W., Green E.D., Dickeo J., Submuta M.A.;

Rodriguez A.C., Grimman J. J., Marra M.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           homo saptens Inuman).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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NIH MGC Project;
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Created)
Last sequence update)
Last annotation update)
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HSSP; P01861; 1ADQ.
SMR; Q6PJ95; 20-473.
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InterPro; IPR007110; Ig-11ke.
InterPro; IPR003597; Ig-21.
InterPro; IPR003509; Ig-MrC.
InterPro; IPR003506; Ig-MrC.
InterPro; IPR003596; Ig-N-C.
InterPro; IPR00496; Ig-N-C.
INTERPOSED IG 2.
INTERPOSED IG 2.
INTERPOSED IG 3.
INTERPOSED I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QEPJ95_HUMAN PRELIMINARY;
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111 OGTMVTVSS 119
                                                                                                      140 KGTTVTVSS 148
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Name=IGHG1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92;
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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                               80 AASVKGRFTISRDNSKNTLSLQMNSLRVEDTAVYYCAKDQKPWYSNSWFLTNFDSWGRGT 139
61 VDSVKGRFTISRDNSENTLYLQVNILRAEDTAVYYCAREARGSYA-----FDIWGQGT 113
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21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
19 heavy chain V-III region HIL.
Homo sapiens (Human).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata; Euteleostomi;
Mammalia, Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chiu Y.-Y.H., Lopez de Castro J.A., Poljak R.J.;
"Amino acid sequence of the VH region of human myeloma
cryoimmunoglobulin IgG Hil.";
Biochemistry 18:553-560(1979).
-i- MISCELLANEOUS: This chain was isolated from an IgG1 myeloma
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HSSP, PO1772; 2FB4.
SMR; PO1771; 2-121.
GO; GO:0005576; C:extracellular region; NAS.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
                                                                                                                                                                                                                                                                                                                                 121 AA
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MEDLINE=79124695; PubMed=420800;
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LVTVSS 145
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Search completed: December 14, 2005, 07:44:11 Job time : 102.176 secs

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407.987 Million cell updates/sec
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                                                                                                                          December 14, 2005, 07:38:04; Search time 21.8855 Seconds
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/cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
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               GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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US-09-453-234-84
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Listing first 45 summaries
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Sequence 46, Application US/09456090A

Patent No. 6680209

GENERAL INFORMATION:

APPLICANT: Buechler, Genare

APPLICANT: Gray, Jeff

APPLICANT: Landerg, Nila

CURRENT FILING DATE: 1999-12-06

NUMBER OF SEG ID NOS: 110

SOFTWARE: PatentIn Ver. 2.1
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93.7%; Score 529.5; DB 2; Length 3
Best Local Similarity 94.4%; Pred. No. 5.5e-43;
Matches 102; Conservative 4; Mismatches 1; Indels
US-09-456-090A-42
US-09-453-234-42
US-09-025-769B-30
US-09-490-070A-30
US-09-490-070A-47
US-09-490-153-30
US-09-490-153-47
US-09-490-324-30
US-09-456-090A-50
US-09-456-090A-50
US-09-456-090A-50
US-09-456-090A-60
US-09-453-234-86
US-09-453-234-86
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US-09-453-234-86
US-09-453-234-86
US-09-473-234-86
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US-09-473-234-86
US-09-473-234-74
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Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APPLICANT: Biostte Diagnostics, Inc.
APPLICANT: GenPharm International
TITLE OF INVENTION: Human Antibodies
FILE REFRENCE: 020015-000110US
FULE REFRENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M1-10L
US-09-456-090A-46
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1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQRPGQAPRLLIYDASNRATGIPA 60
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; Sequence 90, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Gunare
; APPLICANT: Gray, Jeff
; APPLICANT: Lonberg, Nils
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; TITLE OF INVENTION: HUMAN ANTIBODIES, O90A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SEQ ID NO 90
; LENGTH: 224
                                                                                                                                                                                                                                                                                                                                                                                    Sequence 88, Application US/09456090A

patent No. 6680209

GENERAL INFORMATION:

APPLICANT: Buechler, Joe

APPLICANT: Valkire, Gunare

APPLICANT: Gray, Jeff

APPLICANT: Gray, Jeff

APPLICANT: Gray, Jeff

APPLICANT: Gray, Jeff

CHERENCE: 020015-000200US

FILE REFERENCE: 020015-000200US

CURRENT APPLICATION NUMBER: US/09/456,090A

CURRENT FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 110

SOFTWARE: PATENTIN Ver. 2.1
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95.4%; Pred. No. 1.7e-42;
tive 2; Mismatches 2; Indels 1
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                                                                                                                                                                                              Length 224;
                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                           Query Match 92.8%; Score 524.5; DB 2; Best Local Similarity 95.4%; Pred. No. 1.7e-42; Matches 103; Conservative 2; Mismatches 2;
                         ; SEQ ID NO 82
; LENGTH: 224
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-31L
US-09-456-090A-82
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Best Local Similarity 95.4'
Matches 103; Conservative
     SOFTWARE: Patentin Ver. 2.1
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COTHER INFORMATION: M2-34L
US-09-456-090A-88
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LENGTH: 224
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| Sequence 2. Application US/09434870
| Patent NO. 6649425
| GENERAL INFORMATION:
| APPLICANT: Huse, William
| APPLICANT: Wu, Herren
| TITLE OF INVENTION: Methods of Optimizing Antibody Variable Region Binding Affinity
| TITLE OF INVENTION: Methods of Optimizing Antibody Variable Region Binding Affinity
| TITLE OF INVENTION: Methods of Optimizing Antibody Variable Region Binding Affinity
| TITLE OF INVENTION: MAMBER: US/09/434,870
| CURRENT APPLICATION NUMBER: 00/159,689
| PRIOR FILING DATE: 1999-10-14
| NUMBER OF SEQ ID NOS: 4
| SEQ ID NO 2
| LENGTH: 107
                                                                                                                                                                                                                                                                                                                                                                     1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
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                                                                                                                                                                                                                                                                    93.7%; Score 529.5; DB 2; Length 224; 94.4%; Pred. No. 5.5e-43;
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US-09-48-090A-82
Sequence 82, Application US/09456090A
Sequence 82, Application US/09456090A
Patent No. 6680209
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Lonberg, Nill AND APPLICANT: Cray, Jeff
APPLICANT: Lonberg, Nill AND AND APPLICANT: Lonberg, Nill AND APPLICANT: Lonberg, Nill AND APPLICANT: Lonberg, Nill AND APPLICANT: CRAGENTS
FILE REFERENCE: 020015-000200US
CURRENT APPLICATION NUMBER: US/09/456,090A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                      4; Mismatches
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 46
LENGTH: 224
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Best Local Similarity 94.4*
Matches 102; Conservative
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Best Local Similarity 96.3
Matches 104; Conservative
                                                                                                                                                                       ORGANISM: Homo sapiens
COTHER INFORMATION: M1-10L
US-09-453-234-46
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ORGANISM: Homo sapiens
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US-09-434-870-2
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US-09-456-090A-36
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US-09-453-234-90
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                                                                                                          TYPE: PRT
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Best Local 9
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                                                                                                  Query Match 92.8%; Score 524.5; DB 2; Length 224; Best Local Similarity 95.4%; Pred. No. 1.7e-42; Matches 103; Conservative 2; Mismatches 2; Indels 1.
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APPLICANT: Valkirs, Gunars
APPLICANT: Valkirs, Gunars
APPLICANT: Caray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: Geneharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 82
LENGTHR: 224
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CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
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Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nis
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: Genpharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
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Patent No. 6794132
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Best Local Similarity 95.4°
Matches 103; Conservative
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-35L
US-09-456-090A-90
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OTHER INFORMATION: M2-31L
                                                                                                  Query Match
Best Local Similarity
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US-09-453-234-82
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US-09-453-234-88
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1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
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                                                                                                                                                                                                                                                                          Score 524.5; DB 2; Length 224;
Pred. No. 1.7e-42;
2; Mismatches 2; Indels 1.
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APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: LONDERG, NILS
APPLICANT: LONDERG, NILS
APPLICANT: LONDERG, NILS
FILE REFERENCE: 020015-000200US
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APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Bosite Diagnostics, Inc.
APPLICANT: Bosite Diagnostics, Inc.
APPLICANT: Bosite Diagnostics, Inc.
APPLICANT: GenPharm International
FILE REFERENCE: 020015-0001100S
CURRENT APPLICATION UNMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 90
SEQ ID NO 90
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; Patent No. 6794132
                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 95.4%;
Matches 103; Conservative
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 88
LENGTH: 224
                                                                                                                                                              ORGANISM: Homo sapiens
OTHER INFORMATION: M2-34L
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US-09-453-234-90
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ORGANISM: Homo Bapiens
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US-09-456-090A-84
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APPLICANT: Buechler, Joe
APPLICANT: Valkire, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Valkirs, Gunars
APPLICANT: Caray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: GenPharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-0001100S
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 36
LENGTH: 224
CURRENT APPLICATION NUMBER: US/09/456,090A
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US-09-456-090A-84
Sequence 84, Application US/09456090A
; Patent No. 6680209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 36, Application US/09453234 Patent No. 6794132 GENERAL INFORMATION:
              CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: PATENTIN VEY: 2.1
SEQ ID NO 36
LENGTH: 224
                                                                                                                                                                                 ) OTHER INFORMATION: M1-1L
US-09-456-090A-36
                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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US-09-453-234-36
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Pred. No. 4e-42;
2; Mismatches 3; Indels 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Buechler, Joe
APPLICANT: Walkirs, Gunare
APPLICANT: Walkirs, Gunare
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: Genbharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERRNCE: 020015-000110US
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PatentIn Ver. 2.1
SENGTH: 224
FILE REFERENCE: 020015-000200US
CURRENT APPLICATION NUMBER: US/09/456,090A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 84
LENGTH: 224
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Patent No. 6458934
GENERAL INFORMATION:
APPLICANT: HONG, Hyo Jeong
APPLICANT: PARK, Sung Sup
APPLICANT: KANG, Young Jun
APPLICANT: KANG, Young Jun
APPLICANT: KANG, Chang-Yuil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-453-234-84; Sequence 84, Application US/09453234; Sequence B0. 6794132; Partent No. 6794130; GENERAL INFORMATION:
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Best Local Similarity 94.4%;
Matches 102; Conservative ;
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ORGANISM: Homo sapiens
OTHER INFORMATION: M2-32L
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OTHER INFORMATION: M2-32L
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Best Local Similarity 90.8%; Pred. No. 4e-40;
Matches 99; Conservative 3; Mismatches 6; Indels 1; Gaps
                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: Description of Artificial Sequence: Variable ) OTHER INFORMATION: region of light chain of human antibody (X82934) US-09-438-954-40
APPLICANT: YOON, Sung Kwan

TITLE OF INVENTION: HUMANIZED ANTIBODY SPECIFIC FOR HUMAN 4-1BB AND

TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION COMPRISING SAME
FILE REFERENCE: 1303-124P
CURRENT APPLICATION NUMBER: US/09/438,954
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 49
SEQ ID NO 40
LENGTH: 107
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APPLICANT: Valkirs, Gunare
APPLICANT: Valkirs, Gunare
APPLICANT: Gunberg, Nils
TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
FILE REFERENCE: 020015-00020010S
CURRENT APPLICATION NUMBER: US/09/456,090A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38
LENGTH: 226
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US-09-456-090A-38
Sequence 38, Application US/09456090A
Patent No. 6680209
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence
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OGNATISM: Homo sapiens
CTHER INFORMATION: M1-3L
US-09-456-090A-38
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Sequence 8, Application US/10305347A
Publication No. US20030143603A1
GENERAL INPORMATION:
APPLICANT: Glies-Komar, Jill
APPLICANT: Bernie Scallon
TITLE OF INVENTION: ANTIBODIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: CRNSO05
CURRENT APPLICATION NUMBER: US/10/305,347A
CURRENT PAPLICATION NUMBER: US/2011-26
NUMBER OF SEQ ID NOS: 3.0
SOFTWARE: Patentin Ver 3.0
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US-10-305-347A-8
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85, Appl
9, Appli
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9, Appli
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565
1 BIVLTQSPATLSLSPGERAT......QQRSNWPPFTFGPGTKVDIK 108
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Sequence 8
Sequence 9
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Sequence 1
Sequence 1
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Sequence 2
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1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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Sequence 8, Application US/09920267C

Publication No. USZ0030040044A1

GENERAL INFORMATION:

APPLICANT: Cantocor, Inc.

APPLICANT: Trikha, Mohit

APPLICANT: Trikha, Mohit

APPLICANT: Snyder, Linda

APPLICANT: Nakada, Marian

TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES

FILE REFERENCE: CEN 249

CURRENT APPLICATION NUMBER: US/09/920,267C

CURRENT FILING DATE: 2000-08-07

PRIOR PILING DATE: 2000-08-07

PRIOR FILING DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin version 3.1

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APPLICANT: SRINIVASAN, Mohan
APPLICANT: CARNAVAN, Mohan
APPLICANT: CARNAVAN, Mohan
APPLICANT: PASSWORE, David
APPLICANT: PASSWORE, David
APPLICANT: RANGAN, Vangipuram
APPLICANT: TANGAN, Vangipuram
APPLICANT: LANG, Thomas E.
APPLICANT: LANG, Michael T.
CURRENT FILING DATE: 2004-12-10
PRIOR APPLICATION NUMBER: 60/529180
PRIOR APPLICATION NUMBER: 60/529180
PRIOR APPLICATION NUMBER: 60/529180
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 90
LENGTH: 108
TYPE: PAT
PRIOR FILING DATE: 2000-08-07
PRIOR APPLICATION NUMBER: 60/236,826
PRIOR PILING DATE: 2000-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver 3.1
SEQ ID NO 8
LENGTH: 108
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 90, Application US/11009731
Publication No. US20050191293A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: DESHPANDE, Shirkant APPLICANT: HUANG, Haichun
                                                                                                                                                                                                  ORGANISM: Homo sapiens
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| Publication No. US20040185507A1
| GENERAL INFORMATION:
| APPLICANT: Cantocor, Inc.
| APPLICANT: Giles-Komar, Jill
| APPLICANT: Trikha, Mohit
| APPLICANT: Trikha, Mohit
| APPLICANT: Snyder, Linda
| APPLICANT: Nakada, Marian
| TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
| FILE REPERENCE: CEN 249 CIPPP
| CURRENT APPLICATION NUMBER: 108/10/720,323
| CURRENT PILING DATE: 2003-11-24
| PRIOR FILING DATE: 2003-11-24
| PRIOR FILING DATE: 2000-08-07
| NUMBER OF SEQ ID NOS: 17
| SOFTWARE: Patentin version 3.1
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Sequence 8, Application US/10954900A

Publication No. US20050123541A1

GENERAL INFORMATION:

APPLICANT: Glies-Komar, Jill

APPLICANT: David Knight

APPLICANT: Bernie Scallon

APPLICANT: George Heavner

TITLE OF INVENTION: ANTI-TIP ANTIBODIES, COMPOSITIONS, METHODS AND USES

FILE REFERENCE: CEN0250 DIV-2

CURRENT APPLICATION NUMBER: US/10/954,900A

CURRENT FILING DATE: 2004-09-30

PRIOR APPLICATION NUMBER: 09/920,262

PRIOR APPLICATION NUMBER: 60/223,360
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Best Local Similarity 100.0%; Pred. No. 2.4e-41;
Matches 108; Conservative 0; Mismatches 0;
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Best Local Similarity 100.
Matches 108; Conservative
                                                     TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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               APPLICANT: Vezina, Chris
APPLICANT: Wong, Lu Min
APPLICANT: Qian, Xuemin
APPLICANT: Qian, Xuemin
APPLICANT: Qian, Xuemin
APPLICANT: Qian, Xuemin
AITLE REPERENCE: 01,1554
CURRENT APPLICANTION NUMBER: US/10/656,769
CURRENT APPLICATION NUMBER: US/03-09-05
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin version 3.0
SEQ ID NO 12
LENGTH: 128
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 16, Application US/10394471B
| Sequence 16, Application US/10394471B
| Publication No. US20040185047A1
| GENERAL INFORMATION:
| APPLICANT: Giles-Komar, Jill; Carton, Jill; Scallon, Bernard J.
| TITLE OF INVENTION: ANTI-TWF ANTIBODIES, COMPOSITIONS, METHODS AND USES; FILE REFERENCE: CEN0202
| CURRENT PELING DATE: 2003-03-21
| PRIOR APPLICATION NUMBER: 60/367,903
| PRIOR APPLICATION NUMBER: 60/367,903
| PRIOR FILING DATE: 2002-03-26
| NUMBER OF SEQ ID NOS: 17
| SEQ ID NO 16
| LENGTH: 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 BIVITOSPATISISPGERATISCRASOSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
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APPLICANT: Witte, Alison
APPLICANT: Wezina, Chris
APPLICANT: Wong, Lu Min
APPLICANT: Qian, Xueming
APPLICANT: Qian, Xueming
TITLE OF INVENTION: Therapeutic Human Anti-IL-IR Monoclonal Antibody
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                                                                                                                                                                                                                                                                                                                                                                                             Query Match 96.6%; Score 546; DB 4; Length 128; Best Local Similarity 97.2%; Pred. No. 1.2e-39; Matches 105; Conservative 1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
US-10-656-769-12
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US-10-394-471B-16
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                 APPLICANT: Sullivan, John
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
TITLE OF INVENTION: Human Anti-OPGL Neutralizing Antibodies As Selective OPGL Pathway
TITLE OF INVENTION: Inhibitors
FILE REPERBENCE: MBHB 01-1145-A
CURRENT APPLICATION NUMBER: US/10/409,901
CURRENT FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 76
SEQ ID NO 24
LENGTH: 109
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APPLICANT BOYLe, William
APPLICANT BOYLe, William
APPLICANT Bliot, Robin
APPLICANT Bliot, Robin
APPLICANT Bliot, Robin
APPLICANT Medlock, Eugene
APPLICANT Medlock, Eugene
APPLICANT Medlock, Eugene
APPLICANT Methin, Francis
TITLE OF INVENTION: Inhibitors
FILE REFERENCE: MBHB 01-1145-A
CURRENT APPLICATION NUMBER: US/10/408,901
CURRENT PLING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 76
SOFTWARE: Patentin version 3.0
SEQ ID NO 48
LENGTH: 215
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Sequence 12, Application US/10656769
Publication No. US20040097712A1
GENERAL INFORMATION:
APPLICANT: Varnum, Brian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-408-901-48
Sequence 48, Application US/10408901
Publication No. US20040023313A1
GENERAL INFORMATION:
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Best Local Similarity 96.39
Matches 104; Conservative
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Best Local Similarity 96.3'
Matches 104; Conservative
Elliot, Robin
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CORGANISM: Homo sapiens
US-10-408-901-24
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ORGANISM: Homo sapiens
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APPLICANT:
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; Sequence 9, Application US/10173551
; Publication No. US20030232387A1
; GENERAL INFORMATION:
; APPLICANT: Lu, Chafen
; TITLE OF INVENTION: Antibodies that bind alphaE Integrin
; FILE REPERENCE: 1855.2025-000
; CURRENT APPLICATION NUMBER: US/10/173,551
; CURRENT FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; SEQ ID NO 9
; MINDER OF SEQ ID NOS: 70
; SEQ ID NO 9
; SEQ ID NO 9
CURRENT APPLICATION NUMBER: US/10/656,769
CURRENT FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 79
SOFTWARE: PatentIn version 3.0
SEQ ID NO 38
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LOCATION: (24)...(34)
OTHER INFORMATION: CDR1
FEATURE:
NAME/KEY: SITE
LOCATION: (56)...(56)
OTHER INFORMATION: CDR2
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US-10-173-551-9
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                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
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NAME/KEY: SITE
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Sequence 4, Application US/10886838 Publication No. US20050008642A1 GENERAL INFORMATION: APPLICANT: HOFFmann-La Roche Inc.

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TITLE OF INVENTION: Antibodies against insulin-like growth factor I receptor and uses
TITLE OF INVENTION: thereof
FILE REPERENCE: 21695
CURRENT APPLICATION NUMBER: US/10/886,838
CURRENT PILING DATE: 2004-07-08
PRIOR APPLICATION NUMBER: EP 03015526
PRIOR FILING DATE: 2003-07-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn version 3.2
SEQ ID NO 4
LENGTH: 108
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CURRENT FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 76
SOFTWARE: Patentin version 3.0
SEQ ID NO 8.
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95.9%; Score 542; DB 4; Length 109;
Best Local Similarity 94.4%; Pred. No. 2.3e-39;
Matches 102; Conservative 5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                            Length 108;
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96.3%; Pred. No. 2.3e-39;
iive 2; Mismatches 2.
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Publication No. US20040023313A1
GENERAL INFORMATION:
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Best Local Similarity 96.39
Matches 104; Conservative
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APPLICANT: Sullivan, John
APPLICANT: Medlock, Eugene
APPLICANT: Medlock, Eugene
APPLICANT: Martin, Francis
TITLE OF INVENTION: Francis
TITLE OF INVENTION: Human Anti-OPGL Neutralizing Antibodies As Selective OPGL Pathway
TITLE OF INVENTION: Inhibitors
FILE REFERENCE: MHBB 01-1145-A
CURRENT APPLICATION NUMBER: US/10/408,901
CURRENT FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 76
SEQ ID NO 3.2
LENGTH: 215
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| Publication No. US20050208596A1
| GENERAL INFORMATION:
| APPLICANT: Siegel, Donald L.
| TITLE OF INVENTION: COMPOSITIONS, METHODS AND KITS RELATING TO ANTI-PLATELET
| TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF
| TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF
| TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF
| TITLE OF INVENTION: AUTOANTIBODIES AND INHIBITORS THEREOF
| TITLE OF INVENTION: OS3093-5050
| CURRENT APPLICATION NUMBER: US/11/021,715
| PRIOR FILING DATE: 2003-07-03
| PRIOR FILING DATE: 2002-07-033
| SOFTWARE: PALENTING DATE: 2002-07-033
| SOFTWARE: PALENTING DATE: 2002-07-033
| SOFTWARE: PALENTING DATE: 2002-07-033
| PRIOR FILING DATE: 2002-07-033
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CORGANISM: Homo sapiens
US-10-408-901-32
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ORGANISM: Homo sapiens
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US-11-021-715-101
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Search completed: December 14, 2005, 07:48:01 Job time : 61.8502 secs

7, Appli 905, App 84, Appl 85, Appl 127, App 130, App

Sequence Sequence Sequence Sequence

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Sequence Sequence Sequence

4, Appli 4, Appli 1844, Ap 15, Appl 62, Appl 122, App

Sequence

Sequence

Sequence Sequence Sequence

88, Appl 135, App

Sequence Sequence

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Scoring table:

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; Sequence 23, Application US/11093274
; Publication No. US20050266008A1
; GENERAL INFORMATION:
APPLICANT: Graziano, Robert
; APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cutter, Beth
; APPLICANT: Stinivasan, Mohan
; TILLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
; FILE REFERENCE: 04280/1201101-US1
; CURRENT FILING DATE: 2005-03-28
; PRIOR APPLICATION NUMBER: 60/557,741
; PRIOR FILING DATE: 2004-03-29
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 23
; LENGTH: 108
; TVDE: Dorn
US-11-054-515-1264
US-11-054-515-1219
US-11-054-515-149
US-11-054-515-149
US-11-054-615-15
US-11-054-669-85
US-11-054-669-85
US-11-054-669-85
US-11-054-515-1035
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Publication No. US20050249729A1
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
ITILE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REFERENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: JF2001-150213
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US-11-093-274-23
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Matches 104,
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Sequence 1952, Ap
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138.965 Million cell updates/sec
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                                                                                                                                                       December 14, 2005, 07:41:05 ; Search time 5.23348 Seconds
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1 BIVLTQSPATLSLSPGBRAT......QQRSNWPPFTFGPGTKVDIK 108
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1: /cgn2_6/ptodata/1/pubpaa/USO9 NEW PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/USO6 NEW PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/USO7 NEW PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/USO7 NEW PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/USO8 NEW PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/USO1 NEW PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/USO10 NEW PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/USO10 NEW PUB.pep:*
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                         GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-11-070-159-17
US-11-040-159-17
US-11-084-554-138
US-11-084-554-131
US-11-084-554-131
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US-11-054-515-1268
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; Publication No. US2005025532A1
; GENERAL INFORMATION:
    APPLICANT: Ruben et al.
    TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REFERENCE: FF533P3
; CURRENT APPLICATION UMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   81 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNW-PLTFGPGTKVDIK 127
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APPLICANT: Gratano, Robert
APPLICANT: Gratano, Tomas
APPLICANT: Kempe, Thomas
APPLICANT: Kempe, Thomas
APPLICANT: Kempe, Thomas
APPLICANT: Stinivasan, Mohan
TITLE OF INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT APPLICATION NUMBER: 60/557,741
PRIOR PILING DATE: 2004-03-29
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR FILING DATE: 2004-03-29
NUMBER: OF SEQ ID NOS: 41
SOFTWARE: Patentin version 3.2
SEQ ID NO 24
                                                                                                                                                                                                                                                                                                              Query Match 95.1%; Score 537.5; DB 6
Best Local Similarity 97.2%; Pred. No. 3.3e-31;
Matches 105; Conservative 1; Mismatches 1
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; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: JP2001-243040
; PRIOR FILING DATE: 2001-08-09
; PRIOR PILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 45
; SEQ ID NO 19
; LENGTH: 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-11-093-274-24
Sequence 24, Application US/11093274
Publication No. US20050266008A1
GENERAL INFORMATION:
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Matches 105; Conservative
                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-721-763-19
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ORGANISM: Homo sapiens
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PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
PRIOR PLIING DATE: 2004-06-18
PRIOR PLIING DATE: 2004-06-18
PRIOR PLIING DATE: 2002-11-14
PRIOR PLIING DATE: 2002-11-14
PRIOR PLIING DATE: 2001-11-16
PRIOR FILING DATE: 2001-11-16
PRIOR PLIING DATE: 2001-06-18
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PRIOR PLIING DATE: 2001-06-19
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PRIOR PLIING DATE: 2001-06-25
PRIOR PLIING DATE: 2001-03-16
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APPLICANT: Cardarelli, Josephine M.
APPLICANT: Kempe, Thomas
APPLICANT: Kempe, Thomas
APPLICANT: Sempe, Thomas
APPLICANT: Srinivasan, Mohan
ITLE OF INVENTION: RTH-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 04280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT FILING DATE: 2005-03-28
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR APPLICATION NUMBER: 60/557,741
PRIOR APPLICATION NUMBER: 2004-03-29
SOFTWARE PALENT VERSION 3.2
SEQ ID NO 2:
LENGTH: 108
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Matches 104; Conservative
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US-11-093-274-22
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ORGANISM: Artificial Sequence
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ORGANISM: Homo sapiens
US-11-054-669-86
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95.4%; Pred. No. 1.8e-30;
tive 2; Mismatches 2; Indels 1; Gaps
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93.5%; Score 528.5; DB 6; Length 128; 96.3%; Pred. No. 1.38-30; tive 1; Mismatches 2; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
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                                                                                                           RESULT 6
US-10-721-763-31
Sequence 31, Application US/10721763
Sequence 31, Application US/10721763
Sequence 31, Application US/10721763
Sequence 31, Application US/10721763
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
TILE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REFERENCE: PH-1573-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2003-11-26
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-06-09
PRIOR FILING DATE: 2001-01
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 31
SEQ ID NO 31
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PUBLICATION NO. US20050249729A1

GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
TITLE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REFERENCE: PH-1579-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT PILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: JP2001-150213
PRIOR FILING DATE: 2001-08-09
PRIOR PILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 45
SQFTWARE: PARCENTIN Ver. 2.1
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; ORGANISM: Homo sapiens
US-10-721-763-31
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US-10-721-763-23
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Best Local Similarity
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RESILT 8

RESILT 8

RESILT 9

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; ORGANISM: Homo sapiens
US-11-054-669-87
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US-11-093-274-33
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                                              0; Gaps
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                                                                                                                                                                                                                                                                                               Sequence 138, Application US/11084554
; Publication No. US20050260679A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Korver, Wouter
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FILE REPERENCE: ABGENIX. 100A
; CURRENT FILING DATE: 2005-03-17
; PRIOR FILING DATE: 2004-03-19
; PRIOR FILING DATE: 2004-05-24
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FASTESQ for Windows Version 4.0
; SEQ ID NO 138
; LENGTH: 95
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  87.3%; Score 493; DB 7; Length 95;
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                                          0; Indels
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; Publication No. US20050266008A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cardarelli, Josephine M.
APPLICANT: Cutter, Beth
APPLICANT: Cutter, Beth
APPLICANT: Srinivasan, Mohan
TITLE OP INVENTION: IRTA-5 ANTIBODIES AND THEIR USES
FILE REFERENCE: 64280/1201101-US1
CURRENT APPLICATION NUMBER: US/11/093,274
CURRENT FILING DATE: 2005-03-28
PRIOR PILING DATE: 2005-03-29
; PRIOR FILING DATE: 2004-03-29
; SEQ ID NO 33
; SEQ ID NO 33
; LENGTH: 94
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100.0%; Pred. No. 2.8e-28;
tive 0; Mismatches 0;
                      Pred. No. 2.8e-28;
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  Query Match
87.3%; Score 493; DB
Best Local Similarity 100.0%; Pred. No. 2.8s
Matches 95; Conservative 0; Mismatches
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Best Local Similarity 100.0
----hes 95; Conservative
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ORGANISM: Homo sapiens
US-11-084-554-138
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ORGANISM: Homo sapiens
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1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
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Sequence 131, Application US/11084554

Sequence 131, Application US/11084554

Sequence 131, Application US/11084554

Sequence 131, Application US/11084554

Sequence 131, Application US/11041

APPLICANT: Kelren, Larry L.

APPLICANT: Korver, Wouter

TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN

TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION

FILE REFERENCE: ABGENIX.100A

CURRENT FILING DATE: 2005-03-17

PRIOR APPLICATION NUMBER: 60/554,372

PRIOR APPLICATION NUMBER: 60/574,661

PRIOR APPLICATION NUMBER: 60/574,661

NUMBER OF SEC ID NOS: 266

SOFTWARE: FastSEC for Windows Version 4.0

LENGTH: 95
Length 94;
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84.4%; Score 477; DB 7; L

Best Local Similarity 97.9%; Pred. No. 3.4e-27;

Matches 92; Conservative 0; Mismatches 2;
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| Publication No. US20050261480A1
| GENERAL INFORMATION:
| APPLICANT: FOOCE, Jefferson | ATTLE OF INVENTION: SUPER HUMANIZED ANTIBODIES | FILE REFERENCE: 30219/US/3 | CURRENT APPLICATION NUMBER: US/11/054,669 | CURRENT FILING DATE: 2005-02-08 | PRIOR APPLICATION NUMBER: US 10/194,975 | PRIOR APPLICATION NUMBER: US 60/305,111 | PRIOR FILING DATE: 2002-07-12 | PRIOR FILING DATE: 2001-07-12 | NUMBER OF SEQ ID NOS: 124 | SOFTWARE: Patentin version 3.3 | SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | LENGTH: 95 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | LENGTH: 95 | MUMBER OF SEQ ID NO 87 | LENGTH: 95 | MUMBER OF SEQ ID NO 87 | LENGTH: 95 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ ID NO 87 | MUMBER OF SEQ
Query Match

Best Local Similarity 100.0%; Pred. No. 8.3e-28;
Matches 94; Conservative 0; Mismatches 0;
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                                                                                         0; Gaps
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APPLICANT: Liu, Chenghua
APPLICANT: Agundi, Vinod
APPLICANT: Chen, Rui-hong
APPLICANT: Chen, Rui-hong
APPLICANT: Wehrman, Tom
APPLICANT: Wehrman, Tom
APPLICANT: Zhang, Jie
APPLICANT: Zhang, Jie
APPLICANT: Cao, Yi-Cheng
APPLICANT: Cao, Yi-Cheng
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
FILE REFERENCE: 785CTP4CN
FILE REPERENCE: 785CTP4CN
CURRENT APPLICATION NUMBER: US/11/000,463
CURRENT FILING DATE: 2004-11-29
PRIOR APPLICATION NUMBER: 10/291,265
                                            Length 95;
                                                                                         2; Indels
                                          84.4%; Score 477; DB 7;
97.9%; Pred. No. 3.4e-27;
iive 0; Mismatches 2;
                                                                                                                                                                                                                           61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNW 94
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US-10-721-763-27
Sequence 27, Application US/10721763
Sequence 27, Application US/10721763
Sequence 27, Application US/10721763
Sequence 27, Application US/10721763
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
TITLE OF INVENTION: ANTI TRAIL-R ANTIBODY
FILE REFERENCE: PH-15/3-PCT
CURRENT APPLICATION NUMBER: US/10/721,763
CURRENT FILING DATE: 2003-11-26
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
PRIOR FILING DATE: 2001-08-09
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 27
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US-11-000-463-332,
Sequence 332, Application US/11000463
Publication No. US20050266423A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Tang, Y Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Chen, Rui-hong
APPLICANT: Qian, Xiaohong B.
APPLICANT: Wang, Zhiwei
                                     Query Match
Best Local Similarity 97.9*
Matches 92; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
US-10-721-763-27
US-11-084-554-131
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| PRIOR FILING DATE: 2002-11-08
| PRIOR FILING DATE: 2001-01-25
| PRIOR APPLICATION NUMBER: 09/922,279
| PRIOR APPLICATION NUMBER: 09/921,279
| PRIOR APPLICATION NUMBER: 09/491,404
| PRIOR PILING DATE: 2001-08-03
| PRIOR PLING DATE: 2000-001-25
| PRIOR PILING DATE: 2000-001-25
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GenCore version 5.1.6
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- protein search, using sw model OM protein December 14, 2005, 07:33:29 ; Search time 17.1278 Seconds Run on:

(without alignments)
606.700 Million cell updates/sec

US-10-720-323-8 565 1 BIVLTQSPATLSLSPGERAT......QQRSNWPPFTFGPGTKVDIK 108 Title:

Perfect score: Seguence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283416 seqs, 96216763 residues Searched:

283416 of hits satisfying chosen parameters: Total number

seq length: 0 seq length: 200000000 Minimum DB E Maximum DB E Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

PIR 80:* Database

1: pir1:* 2: pir2:* 3: pir3:* 4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		*			SOFTWARTES		
Result No.	Score	Query Match	Query Match Length	DB		Description	
-		. 4.	114	7	S54905	່ຫ	in V r
8		3	111	~	S23628	g kappa	in V r
٣		n	144	7	PL0106	g kappa	
4		N	128	7	A56701	g kappa	.>
S	518.5	91.8	108	~	G44151	Ig kappa chain	
9		ч	128	7	S40345	g kappa	
7		0	129	7	S29627	g kappa	
80		σ	128	~	S40379	g kappa	
6		æ	107	~	S57444	6	in V-J
10		7	125	7	S40344	b	in V-J
11	9	7	115	-	K3HUVG	וסו	
12	479.5	4	106	~	PC4282	g kappa	in (an
13		4	114	~	S46375	g kappa	
14	478	4	215	~	JE0244	g kappa	in NIG
15	477	4	115	~	S11697	b	
16	476.5	4	117	~	S40362	g kappa	
17	473.5	m	107	~	S34005	6	invr
18	473.5	m	129	~	840325	ь	
19	470	3	129	~	S40363	g kappa	
50	468.5	N	128	~	S40343	g kappa	
21	466	N	109	7	A30608	g kappa	
22	465	N	116	~	B26555	b	in V-I
23	465	ς.	130	N	840360	ф	
24	465	'n	215	~	JE0242	Б	
25	464	2	109	N	H30601	b	in V-I
56	464	•	109	N	B30601	Ig kappa chain	
27		82.1	109	7	PH0963	g kappa	invr
28	462	.	92	7	S37506	g kappa	in V r
59	9	ij	108	~	C30608		in V-I

kappa chain	Ig kappa chain V-I	kappa chain	kappa chain	kappa chain	kappa chain	kappa chain	kappa chain	kappa chain	kappa chain	kappa chain	light chain	kappa chain	kappa chain	kappa chain	kappa chain
0607	F30607	6090	7516	0601	0601	0636	нина	нирм	ноні	0601	6369	0328	8643	0608	HUSI
S	2 F3	E3	83	ខ	23	S 22	_ Ω	5	5	63	S 4	2 S4	53	3 B3	_ δ
109	109	108	95	109	109	128	129	109	129	109	129	131	134	108	109
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81.8	81.8	81.	8	81	81	8	80	æ	8	æ	80	Φ,	w		_
~	462 81.8	~	~	~	~	~	~	~	~	~	_	~	_	454	454

ALIGNMENTS

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Ig kappa chain V region - human (fragment)
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Ly Napyo contain. Vigyon.

Ly Napyo contain. Vigyon.

C; Species: Homo sapiens (man)

C; Date: 08-Jul-1995 #sequence_revision 21-Jul-1995 #text_change 21-Jan-2000

C; Date: 08-Jul-1995 #sequence_revision 21-Jul-1995 #text_change 21-Jan-2000

C; Accession: S54905

R; Esposito, G: 1 Traboni, C.

submitted to the EMBL Data Library, November 1994

A; Description: Cloning and sequencing of CDNA coding for the variable domains of a human A; Reference number: S54905

A; Reference number: S54905

A; Status: preliminary

A; Molecule type: mRNA

A; Residues: 1-114 < csp>
A; Cross-references: UNIPARC: UPI000011620A; EMBL: X82934; NID: 9809554; PIDN: CAA58108.1; PI

C; Superfamily: immunoglobulin V region; immunoglobulin homology

C; Keywords: heterotetramer; immunoglobulin

F;16-90/Domain: immunoglobulin homology < IMM>

Gaps ö Query Match 94.5%; Score 534; DB 2; Length 114; Best Local Similarity 93.5%; Pred. No. 4.5e-39; Matches 101; Conservative 4; Mismatches 3; Indels

ö

9 1 DVVMIQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASRRATGIPA 60 1 BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA ò 셤

61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108 ð g

Ig kappa chain V region - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Ja-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 21-Jan-2000
C;Accession: 623628
R;Olee, T.; Lu, E.W.; Huang, D.F.; Soto-Gil, R.W.; Deftos, M.; Kozin, F.; Carson, D.A.;
A;Title: Genetic analysis of self-associating immunoglobulin G rheumatoid factors from t
A;Reference number: 823628
A;Accession: 823628
A;Accession: 823628
A;Accession: S23628
A;Accession: Preliminary
A;Molecule type: DNA
A;Residues: 1-111 < OLE>

A;Cross-references: UNIPARC:UP10000115F96; EMBL:X59705; NID:g34022; PIDN:CAA42226.1; PID C;Suberfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin homology c!Keywords: heterotetramer; immunoglobulin homology cIMM>

DB 2; 93.9%; Score 530.5; Query Match

Length 111;

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J.; Pya

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A;Accession: G44151
A;Accession: G44151
A;Accession: preliminary; not compared with conceptual translation
A;Alatus: preliminary; not compared with conceptual translation
A;Alecule type: mRNA
A;Residues: 1-108 <2EB>
A;Cross-references: UNIPARC:UP100001139AC; GB:M88317; NID:g183968; PIDN:AAA35975.1; PID:g
A;Note: nucleotide translation not given
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: hecerotetramer; immunoglobulin
F;15-89/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross_references: UNIPARC:UP1000011615F; EWBL:X72455; NID:944137B; PIDN:CAA51123.1; PIC;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;32-106/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                       C,Accession: G44151
C,Accession: G44151
L,Barbas III, C.F.; Hom, Y.L.; Caothien, R.H.; Graff, R.; DeGraw, R.Zebedee, S.L.; Barbas III, C.S.A. 89, 3175-3179, 1992
Proc. Natl. Acad. Sci. U.S.A. 89, 3175-3179, 1992
A,Title: Human combinatorial antibody libraries to hepatitis B surface antigen. A;Reference number: A44151; MUID:92228746; PMID:1373487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                63
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                                      21 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 80
                                                                                                                                                                                                                                                                                                                Ig kappa chain V region (JM-10) - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 21-Jan-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ig kappa chain V-J-C region - human
C;Species: Homo sapiens (man)
C;Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
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     EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
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R,Klein, R.; Jaenichen, R.; Zachau, H.G.
R,Klein, R.; Jaenichen, R.; Zachau, H.G.
A,Title: Expressed human immunoglobulin chi genes and their hypermutation. A;Reference number: $40312; MUD:94080891; PMID:8258341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                       61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                  Length 128;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96.2%;
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Best Local Similarity 96.2'
Matches 101; Conservative
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A56701
Ig Asppa chain V region precursor (HuA) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 19-Oct-1995 #sequence_revision 19-Oct-1995 #text_change 21-Jan-2000
C;Accession. K.G.; Tao, M.H.; Chen, H.T.; Larrick, J.; Kabat, E.A.
J. Biol. Chem. 270, 12457-12465, 1995
A;Title: Human and mouse monoclonal antibodies to blood group A substance, which are neal A;Reference number: A56701
A;Accession: A56701
A;Accession: A56701
A;Residues: preliminary
A;Molecule type: mRNA
A;Residues: 1-128 <NIC>
A;Cross-references: UNIPARC:UPI0000113B26; GB:L41174; NID:g762823; PIDN:AAA64877.1; PID:C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;36-110/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                    Ig Kappa chain precursor V-J-C region (LS1) - human (fragment)
C;Species: Homo saplens (man)
C;Species: Joban-1992 #sequence_revision 30-Jun-1992 #text_change 21-Jan-2000
C;Accession: P10106
R;Silberstein, L.E.; Litwin, S.; Carmack, C.E.
J. Exp. Med. 169, 1631-1643, 1989
A;Title: Relationship of variable region genes expressed by a human B cell lymphoma secr
A;Reference number: P10106; MUID:89235583; PMID:2541221
A;Reference number: P10106; MUID:89235583; PMID:2541221
A;Residues: 1-144 <5IL.
A;Accession: P10106
A;Molecule type: mRNA
A;Residues: 1-144 <5IL.
A;Cross-references: UNIPARC:UPI0001767A2
C;Superfamily: fimunoglobulin V region; immunoglobulin
F;1-20/Domain: V region caplementarity-determining 1
F;36-110/Domain: Umunoglobulin homology <IMM>
F;34-115/Domain: Omplementarity-determining 2
F;10-115/Region: complementarity-determining 3
F;116-127/Domain: J region capse.
F;128-144/Domain: C region (fragment) <CRE>
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                                                                                            EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
                                                                                                                                         1 EİVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
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                                                                                                                                                                                                              61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                     61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNW-PWTFGGGTKVEIK 107
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        8.7e-39;
96.3%; Pred. No.
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Matches 103; Conservative
        al Similarity 96.3
104; Conservative
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resour: /
S29637
Ig kappa chain V region (60.3 hybridoma) - human
C;Specias: Homo sapiens (man)
C;Specias: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 21-Jan-2000
C;Accession: S3410; S29627
R;Walls, M.A.; Hsiao, K.; Harris, L.J.
Nucleic, Acids Res. 21. 22921-2929, 1993
A;Title: Vectors for the expression of PCR-amplified immunoglobulin variable domains wit A;Reference number: S34110; WUID: 93324379; PMID: 8332501
A;Reference number: S34110
A;Reterence number: S34110
A;Reterence number: S34110
A;Reterence number: S34110
A;Reterence number: S34110; MUID: 93324379; PMID: 8332501
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A;Reterence number: Numbarc: Number: Circum not shown
A;Molecule type: mRNA
A;Reterence number: Numbarc: Number: Nu
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    90.9%; Score 513.5; DB 2;
sal Similarity 92.7%; Pred. No. 2.9e-37;
101; Conservative 1; Mismatches 6;
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857444
19 Kappa chain V-J region - human (fragment)
C;Species: Homo sapiens (man)
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Matches 99; Conserv
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Best Local
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C;Date: 10-Oct-1995 #sequence_revision 17-Nov-1995 #text_change 21-Jan-2000
C;Accession: S5744
R;Paterson, G; Wilson, G; Kennedy, P.G.B.; Willison, H.J.
submitted to the EMBL Data Library, June 1995
A;Description: Analyais of anti-GMl ganglioside IgM antibodies cloned from motor neuropa A;Reference number: S57408
A;Accession: S5744
A;Accession: S5744
A;Accession: Patlannary
A;Molecule type: mRNA
A;Residues: 1-107 <PAT>
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R;Pech, M.; Zachau, H.G.
Nucleic Acids Res. 12, 9229-9236, 1984
Nucleic Acids Res. 12, 9229-9236, 1984
A;Title: Immunoglobulin genes of different subgroups are interdigitated within the V-K 1 A;Reference number: A93549; MUID:85087932; PMID:6440122
A;Accession: A01900
A;Molecule type: DNA
A;Residues: 1-115 cPBC>
A;Cross-references: UNIPROT:P04433; UNIPARC:UPI0000116D05; GB:X01668; GB:K02768; NID:g33
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C;Species: Homo sapiens (man)
C;Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
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C;Date: 17-Mar-1987 #sequence_revision 17-Mar-1987 #text_change 09-Jul-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Accession: $40344
R;Klein, R.; Jaenichen, R.; Zachau, H.G.
Bir. J. Immunol. 23, 3248-3271, 1993
A;Title: Expressed human immunoglobulin chi genes and their hypermutation. A;Reference number: $40312; MUID:94080891; PMID:828341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 107;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                81 RFSGRGSGTDFTLTISSLEPEDFAVYYCQQRSYW-PLTFGGGTKVE 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2;
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9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.6%; Score 500.5; DB 2
llarity 90.7%; Pred. No. 3.1e-36;
Conservative 3; Mismatches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ig kappa chain precursor V-III region (Vg) - human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary; translation not shown A;Molecule type: mRNA
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(g kappa chain V-J region (T33-5) - human (fragment)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Molecule type: protein
A;Residues: 1-215 <ALI>
A;Cross-references: UNIPARC:UP10000176982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            84.7%;
ilarity 86.2%;
Conservative
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Matches 92; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
les 94; Conserv
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Matches
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                                                                                                                                                                                              A; Introns: 17/1

C; Complex: An immunoglobulin heterotetramer subunit consists of two identical light (kap hain disulfide bonds. In some cases, such as IgA and IgM, the subunits associate into la C; Complex: An immunoglobulin beneficially immunoglobulin bonds. In some cases, such as IgA and IgM, the subunits associate into la C; Superfamily: immunoglobulin V region; immunoglobulin homology
C; Keywords: heterotetramer; immunoglobulin predicted <SIG>
F; 12.00main: signal sequence #status predicted <SIG>
F; 21.115/Product: Ig kappa chain V-III region (Vg) #status predicted <NMT>
F; 34.110/Domain: immunoglobulin homology <IMM>
F; 34.110/Domain: immunoglobulin homology <IMM>
F; 35.110/Domain: immunoglobulin homology <IMM>
F; 36.180/Esgion: complementarity-determining 1
F; 55.69/Region: complementarity-determining 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     per 282 | 19 kappa chain (anti-SS-A/Ro 60K peptide) (E-42 and E-56) - human (fragment) | 19 kappa chain (anti-SS-A/Ro 60K peptide) (E-42 and E-56) - human (fragment) | 19 kappa chain sapiens (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (man) | 19 kappa (m
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C;Superfamily: immunoglobulin V region; immunoglobulin homology
F;14-88/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            62
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 493; DB 1; Length 115;
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            the sequence was determined from the germline gene
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87.3%; Score 493; DB 1; 3
Best Local Similarity 100.0%; Pred. No. 1.5e-35;
Matches 95; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      F;77-108/Region: framework 3
F;109-115/Region: complementarity-determining 3
F;43-108/Disulfide bonds: #status predicted
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A,Residues: 1-106 <SU2>
A,Cross-references: UNIPARC:UPI0000176E92
A,Note: E-56
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                                                                                                                                GDB:136266
    A,Note: the sequence was de
C,Genetics:
A,Gene: GDB:IGKV3
A,Crosereferences: GDB:136
A,Map position: 2p12-2p11
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RESULT 13 S46375

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A,Molecule type: man.
A,Rolecule type: man.
A,Residues: 1-14 <BEN>
A,Residues: 1-14 <BEN>
A,Cross-references: UNIPARC:UPI00001165A8; EMBL:Z27176; NID:g415967; PIDN:CAA81700.1; PII|
C,Superfamily: immunoglobulin V region; immunoglobulin homology
C,Keywords: heterotetramer; immunoglobulin
F;20-95/Domain: immunoglobulin homology <IMM>
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R;Alim, M.A.; Hara, Y.; Hossain, M.S.; Takeda, K.; Yamagata, F.; Yamaki, S.; Kazi, H.; Tessubmitted to JIPID, November 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Description: A new subgroup of k type light chains (VkV) identified in cases of AL amyl, A;Reference number: JE0243
A;Accession: JE0244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R; Pech, M.; Smola, H.; Pohlenz, H.D.; Straubinger, B.; Gerl, R.; Zachau, H.G. J. Mol. Biol. 183, 291-299, 1985
A; Title: A large section of the gene locus encoding human immunoglobulin variable region A; Reference number: S11697; WUID:85264787; PMID:3927006
                                                                          R;Bensimon, C.; Chastagner, P.; Zouali, M.
EMBO J. 13, 2951-2962, 1994
A;Title: Human lupus anti-DNA autoantibodies undergo essentially primary V(chi) gene
A;Reference number: S46369; MUID:94313975; PMID:8039491
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A;Status: preliminary; nucleic acid sequence not shown; translation not shown A;Molecule type: DNA
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C;Date: 25-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 21-Jan-2000
C;Species: Homo sapiens (man)
C;Date: 27-Jan-1995 #sequence_revision 01-Sep-1995 #text_change 21-Jan-2000
C;Accession: S46375; S38648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ig Kappa chain NIG2 precursor - human
C;Species: Homo sapiens (man)
C;Date: 05-Dec-1998 #sequence_revision 05-Dec-1998 #text_change 21-Jan-2000
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F;16-90/Domain: immunoglobulin homology <1MM>
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85.2%; Pred. No. 5.1e-34;
iive 6; Mismatches 10;
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6; Mismatches 8;
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A;Cross-references: UNIPARC:UPI0000115E41; EMBL:X17264; NID:g37898; PIDN:CAA35168.1; PID A;Note: the nucleotide sequence was submitted to the EMBL Data Library, December 1989 C;Genetics: 17
A;Introns: 17/1
C;Superfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;36-110/Domain: immunoglobulin homology <IMM>
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84.4%; Score 477; DB 2; Length 115;
Best Local Similarity 97.9%; Pred. No. 3.4e-34;
Matches 92; Conservative 0; Mismatches 2; Indels

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Search completed: December 14, 2005, 07:44:53 Job time: 17.1278 secs



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score greater than or equal to the score of the result being printed,
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Copyright (c) 1993 - 2005 Compugen Ltd.
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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Pech M., Zachau H.G.;
"Immunoglobulin genes of different subgroups are interdigitated within
the VK locus.";
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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Q9ul81 | Q9ul81 | Q9ul81 | Q6529 | Q6529 | Q66320 | Q01170 | Q9ul70 | Q01171 | Q01174 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q01157 | Q0115
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Complementarity-determining-1.
Framework-2.
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By similarity.
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PROSITE; PS50835; IG_LIKE; 1.
Immunoglobulin domain; Immunoglobulin V region; Signal.
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12575 MW; 2DE47CDA3A17D555 CRC64;
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PIR; A01900; K3HUVG.
HSSP; P01625; IEEQ.
SMR; P04433; 21-115.
GG; GO:0003576; C:extracellular region; NAS.
GG; GO:0003823; F:antigen binding; NAS.
GG; GO:0006955; P:immune response; NAS.
RITERPRO; IPR007110; Ig-like.
RITERPRO; IPR003596; Ig-v.
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05, Last sequence update)
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KV4C HUMAN

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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21 EIVMTQSPATLSVSPGERATLSCRASQSVSNNLAWYQQKPGQPPRLLIYGASTRATGIPA 80
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                        Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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                                                                                                                                                                                                                                                                                      MEDLINE-86177570; PubMed=3083417;
Jirik F.R., Sorge J., Fong S., Heitzmann J.G., Curd J.G., Chen P.P.,
Goldfien R., Carson D.A.;
"Cloning and sequence determination of a human rheumatoid factor
                   01-NOV-1990 (Rel. 16, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Ig kappa chain V-III region CLL precursor (Rheumatoid factor)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 RESGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
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Complementarity-determining-1.
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01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin kappa chain variable region
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Pred. No. 7.5e-42;
9; Mismatches 8; Indels
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PROSITE; PS50835; IG LIKE; 1.
Immunoglobulin domain; Immunoglobulin V region; Signal.
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Proc. Natl. Acad. Sci. U.S.A. 83:2195-2199(1986).
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Best Local Similarity 84.5..
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QOUL85;
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                           EIVLTOSPATLSLSPGERATLSCRASOSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
                                                         EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPQQAPRLLIYDASNRATGIPA 80
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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Wagner S.D., Luzzatto L.;
Wagner S.D., Luzzatto L.;
Vappa gene egements rearranged in chronic lymphocytic leukemia are distributed over a large portion of the V kappa locus and do not show somatic mutation.";
Eur. J. Immunol. 23:391-397(1993).
EMBL. AF035031; AAD56267.1; -; mRNA.
PIR; B30609; C30609.
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MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531; MW X. Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M., Young D.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2; Length 108;
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01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
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PIR, S34099, S34099.
PIR, S34099, S34099.
HSSP, P01625, 1LVE.
SMR, Q9UL83, 1-108.
InterPro; IPR007110, Ig-like.
InterPro; IPR003596; Ig_v.
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Q9UL83;
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P1813;
01-NOV-1990 (Rel. 16, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
10-MAY-2005 (Rel. 47, Last annotation update)
10 Appa chain V-III region HAH precursor.
Homo Bapiens (Human)
Eukaryota; Metazoa Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Myosin-reactive autoantibodies in rheumatic carditis and normal
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                                                                 MEDLINE=98277139; Pubmed=9614934; DOI=10.1006/clin.1998.4531; Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M., Young D.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RFSGSGSGTDFTLTISSLEPEDFAVYYCOORSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 109;
                                                                                                                                                                                                                                                                                                                                                                                                  83.9%; Score 474; DB 2; Length 10
83.3%; Pred. No. 2.6e-41;
ive 10; Mismatches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                109 AA; 11761 MW; FB1E43E7C7AFACCC CRC64;
                                                                                                                                                        EMBL, AF035029; AAD56265.1; -; mRNA.
PIR; D30609; D30609.
HSSP, D30609; D83.
HSSP, Q9UL65; 1EK3.
InterPro; IPR007110; Ig-like.
InterPro; IPR007100; Ig-v.
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SMR; P18135; 21-129.
Ensembl; ENSG00000169769; Homo sapiens.
                                                                                                                                                                                                                                                                                      SMART; SM00406; IGV; 1.
PROSITE; PS50835; IG_LIKE; 1.
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                                                    NUCLEOTIDE SEQUENCE
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NCBI_TaxID=9606;
                NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
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                                                                                                                                               fetus.";
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21-JUL-1986 (Rel. 01, Last sequence update)
21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
1g kappa chain V-III region POM.
1d kappa chain W-III region POM.
Ewkaryota, Mctazoa, Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROTEIN SEQUENCE.

MEDILINE=76276460; PubMed=60899;

Klapper D.G., Capra J.D.;

"The amino acid sequence of the variable regions of the light chains from two idiotypically cross reactive IgM anti-gamma globulins.";

Ann. Immunol. (Paris) 1276:251-271(1976).

-I- MISCELLANEOUS: This chain was isolated from an IgM with anti-gamma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 BIVILTOSPATISISPGERATISCRASOSV-SSYLAWYQOKPGOAPRILIYDASNRATGIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                            chain V-III region HAH.
                                                                                                                                                                                  Complementarity-determining-1.
                                                                                                                                                                                                              Framework-2.
Complementarity-determining-2.
                                                                                                                                                                                                                                                                                    Complementarity-determining-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 460; DB 1; Length 129;
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                                                                              Immunoglobulin domain; Immunoglobulin V region; Signal.
                                                                                                                                                                                                                                                                                                                                                                                              14073 MW; D3C55292772774D0 CRC64;
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SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region.
By similarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 8.9e-40;
2; Mismatches 10
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HSSP, P01625; ILVE.
SMR; P01641: 1-109.
GO; GO:000557; C:extracellular region; NAS.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_V.
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Framework-1
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InterPro; IPR003596; Ig_v.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
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Best Local Similarity
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Young D.C.;
                                                                                                                                                                                                                                                                                   (Fragment)
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                                                                                                               1 EIVLTQSPATLSLSPGERATLSCRASQSVS-SYLAWYQQKPGQAPRLLIYDASNRATGIP 59
                                                                                                                                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIJINE-88171307; PubMed=3127527; DOI=10.1084/jem.167.3.840; Kipps T.J., Tomhave E., Chen P.P., Carson D.A.; "Autoantibody-associated kappa light chain variable region gene expressed in chronic lymphocytic leukemia with little or no somatic mutation. Implications for etiology and immunotherapy."; J. Exp. Med. 167:840-852(1988).

-1- DISEASE: The protein is one of the surface immunoglobulin M autoantibodies expressed in patients with chronic lymphocytic
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                                                                                                                                                                     60 ARFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
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Framework-1.
                                        Length 109;
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                                        81.2%; Score 459; DB 1; Length 10
82.6%; Pred. No. 9.3e-40;
ive 9; Mismatches 8; Indels
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              62821DDC6A8ABA86 CRC64;
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HSSP, P01625; 1EEQ.
SMR; P18136; 21-129.
Ensembl; BNSG0000169769; Homo sapiens.
GO; GO:0003823; F: antigen binding; NAS.
GO; GO:0003823; F: antigen binding; NAS.
InterPro; IPR007110; Ig-like.
InterPro; IPR007110; Ig-like.
SMART; SN004106; IGV; 1.
PROSITE; PS50835; IG-LIKE; 1.
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01-NOV-1990 (Rel. 16, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
How kappa chain V-III region HIC precursor.
Homo sapiens (Human).
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              11922 MW;
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1es 90; Conservative
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109 AA;
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129 AA;
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "V kappa gene segments rearranged in chronic lymphocytic leukemia are
distributed over a large portion of the V kappa locus and do not show
               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                   "Myosin-reactive autoantibodies in rheumatic carditis and normal
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                                                                                            60 ARFSGSGSGTDFTLTISSLEPEDFAVYYCOORSNWPPFTFGPGTKVDIK 108
                                                                                                          81 DRFSGSGSGTDFTLTISRLEPXDFAVYXCQQYGS-SPWTFGQGTKVEIK 128
                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531;
Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
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"Evidence for somatic selection of natural autoantibodies.";
"Exp. Med. 17:893-991(1992).
EMBL; AF035036; AADS6272.1; -; mRNA.
                                                                                                                                                                                                                                           01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
Myosin-reactive immunoglobulin light chain variable region
               Indels
Pred. No. 1.1e-39;
4; Mismatches 9;
                                                                                                                                                                                                                               Last sequence update)
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Proc. Natl. Acad. Sci. U.S.A. 89:3175-3179(1992)
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 86.2%;
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01-MAY-2000 (TrEMBLrel. 13,
01-MAR-2004 (TrEMBLrel. 26,
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Wagner S.D., Luzzatto L.;
                                                                                                                                                                                        Q9UL78 HUMAN PRELIMINARY;
Q9UL78;
               94; Conservative
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PIR; A30608; A30608.
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Biochemistry 20:5816-5822(1981).
-!- MISCELLANEOUS: This chain was isolated from an IgM with anti-gamma
- globulin activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EIVLTQSPATLSLSPGERATLSCRASQSV-SSYLAWYQQKPGQAPRLLIYDASNRATGIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Andrews D.W., Capra J.D.; "Amino acid sequence of the variable regions of light chains from two idiotypically cross-reactive human IgM anti-gamma-globulins of the Wa
                                                                                                                                                                                                                                                                                                                                                                                                 2; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 109;
                                                                                                                                                                                                                                                                                                                                                    80.5%; Score 455; DB 2; Length 10
86.2%; Pred. No. 2.4e-39;
ive 3; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                               5F675C52EC7EE197 CRC64;
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HSSP; P01625; 1LVE.
SMR; P01620; 1-109.
GO; GO:0005376; C:extracellular region; NAS.
GO; GO:0003823; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
INTERPRO; IPRO07110; Ig-like.
INTERPRO; IPRO03596; Ig-v.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 1.
Direct protein sequencing; Immunoglobulin domain; Immunoglobulin V region.
DISULFID 23 89 SIMILARITY.
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21-JUL-1986 (Rel. 01, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
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Homo sapiens (Human).
                                                                           PIR; PH0965; PH0965.
PIR; S33988; S33988.
PIR; S34096; S34096.
HSSP; POL625; IEK3.
SMR; Q9UL78; 1-109.
INCEPERO; IRRO07110; IG-like.
INCEPERO; IRRO03596; IG_V.
SWART; SM04406; IGV; I.
                                                                                                                                                                                                                                                                                                               109 AA; 11646 MW;
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Best Local Similarity 86.2
Matches 94; Conservative
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                                        PH0963.
PH0964.
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ID KV3B_HUMAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDITRE=72188439; PubMed=5027703; Suter L., Barnikol H.U., Watanabe S., Hilschmann N.; Suter L., Barnikol H.U., Watanabe S., Hilschmann N.; Suter L., Barnikol H.U., Watanabe S., Hilschmann N.; amonoclonal immunoglobulin Lochain of Kappa-type, subgroup 3 (Bence-Jones protein Ti). IV. The complete amino acid sequence and its significance for the mechanism of antibody production."; Hoppe-Seyler's Z. Physiol. Chem. 353:189-208(1972).

-I- MISCELLANBOUS: The C region of this chain has the INV (3) marker.
-I- MISCELLANBOUS: This is a Bence-Jones protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
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GO; GO:0003823; F:antigen binding; NAS.
GO; GO:00009825; F:antigen binding; NAS.
GO; GO:0006955; P:immune response; NAS.
InterPro; IPR00310; Ig-1.ke.
InterPro; IPR03596; Ig-v.
SNART; SN00406; IGV.
PROSITE; PS50835; IG LIKE; 1.
Bence-Jones protein; Direct protein sequencing; Immunoglobulin domain;
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                                                                                                                                                                                                                                                                                                                                                 61 DRFSGSGSGTDFTLTISRLEPDDFAVYXCQQYGS-SPQTFGQGSKVEIK 108
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                                                                                    Length 109;
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                                                                                    Score 454; DB 1; Length 10
Pred. No. 3.1e-39;
5; Mismatches 9; Indels
   109 109
109 AA; 11775 MW; 7689C3ECD646FFB4 CRC64;
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21-JUL-1986 (Rel. 01, Last seq
10-MAY-2005 (Rel. 47, Last ann
                                                                                    th 80.4%;
| Similarity 85.3%;
| 93; Conservative 193;
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nes 93; Conservative
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HSSP; P01625; 1LVE.
SMR; P01622; 1-109.
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NUCLEOTIDE SEQUENCE.
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Strausberg R.L., Peingold E.A., Grouse L.H., Derge J.G., Strausberg R.L., Peingold E.A., Grouse L.H., Derge J.G., Klauener R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Myosin-reactive autoantibodies in rheumatic carditis and normal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60 ARFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
DRFSGSGSGTDFTLTISRLEPEDFAVYYCQQYGS-SPSTFGQGTKVELK 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=98277139; PubMed=9614934; DOI=10.1006/clin.1998.4531; Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 109;
                                                                                                                                                                                                                                                                                                            01-MAY-2000 (TrEMBLrel. 13, Created)
1-MAY-2000 (TrEMBLrel. 13, Last sequence update)
101-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Myosin-reactive immunoglobulin kappa chain variable region
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Clin. Immunol. Immunopathol. 87:184-192(1998).
EMBL; AF035028; AAD56264.1; -; mRNA.
PIR; B30607; B30607.
PIR; 130601; 130601.
HSSP; P01625; 1EK3.
SMR; Q9UL86; 1-109.
Ensembl; ENSG00000169769; Homo sapiens.
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InterPro; IPR003596; Ig.v.
SMART; SM00406; IGv; 1.
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                                                                                                                                                                                                                                                                                                       01-MAY-2000 (TrEMBLrel. 13, 01-MAY-2000 (TrEMBLrel. 13, 01-OCT-2003 (TrEMBLrel. 25,
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                                                                                                                                                                                                                       OBUL86 HUMAN PRELIMINARY;
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Homo sapiens (Human).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
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OGFILB HUM
OGFILB COFFIL
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DT 05-JU
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Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunzratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Wilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schwutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M.I., Skalaka U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalaka U., Smailus D.E.,
Rochnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
and mouse Chan section on and initial analysis of more than 15,000 full-length human
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein.
Hypothetical protein.
Enwaryota, Metazoa, Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shemmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heich F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
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PROSITE; PS00290; IG_MHC; UNKNOWN_1.
Hypothetical protein- 236 AA; 25834 MW; 6647A9977A3C0053 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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83.5%; Pred. No. 8.8e-39;
rative 4; Mismatches 13;
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Strausberg R.;
Strausberg R.;
Submitted (JUV. 2002) to the EMBL/GenBa
EMBL, BC032451; AAH32451.1; -; mRNA.
HSSP; P01837; 1KCU.
SMR; OGFIL6; 21-236.
InterPro; 1PR003599; Ig.
InterPro; IPR003599; Ig.
InterPro; IPR003596; Ig.
InterPro; IPR003596; Ig.
InterPro; IPR003596; Ig.
InterPro; IPR003596; Ig.
SMART; SM00407; IGC1; 1.
SMART; SM00407; IGC1; 1.
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QEPJF2;
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Matches 91, Conservative
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DISULFID
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Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano, N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Shevchenko Y., Boutfard G.G., Suthutz J., Myers R.M., Schnetz J., Grimwood J., Schmutz J., Myers R.M., Schnetz J., Skalska U., Smallus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A., "Gene than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   group.";
Biochemistry 20:5816-5822(1981).
-!- MISCELLANEOUS: This chain was isolated from an IgM with anti-gamma globulin activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BIVLTQSPATLSLSPGERATLSCRASQIVSSAYLAWYQQKPGQAPRLLMFGSSSRATGIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 BIVLTQSPATLSLSPGERATLSCRASQSVSS-YLAWYQQKPGQAPRLLIYDASNRATGIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Andrews D.W., Capra J.D.; "Amino acid sequence of the variable regions of light chains from two idiotypically cross-reactive human IgM anti-gamma-globulins of the Wa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DRFSGSGSGTDFTLTISRLEPEDFAVYYCQQYGS-SQGTFGFGFGTKVDIK 128
                                                                                                                                                                                                                                                                                                                                                                                                                                           i; Score 453; DB 2; Lengu...; Score 453; DB 2; Lengu...; No. 9.8e-39; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 235;
                                                                                                                                                                                                                          Strausberg \hat{R}_{\cdot,i} Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                           Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-JUL-1986 (Rel. 01, Last sequence update) 10-MAY-2005 (Rel. 47, Last annotation update) IIG kappa chain V-III region WoL. Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                          80.2%; Score
85.3%; Pred. No. 9.8e-.
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                                                                                                                                                                                                                                                                         SMR; Q6PDE2; 21-235.
INTERPRO; IPR001599; IG.
INTERPRO; IPR00110; IG-11ke.
INTERPRO; IPR00110; IG-11ke.
INTERPRO; IPR001309; IG-11.
INTERPRO; IPR001309; IG-11.
SMART; SM00409; IG, 2.
SMART; SM00406; IG-1; 1.
SMART; SM00406; IG-1; 1.
SMART; SM00406; IG-1; 1.
SMART; SM00406; IG-1; 1.
SMART; SM00406; IG-1; 1.
SMART; SM00406; IG-1; 1.
SMART; SM00406; IG-1; 1.
                                                                                                                                                                                                                                                   EMBL; BC016380; AAH16380.1; -; mRNA
HSSP; P01837; 1KCU.
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                                                                                                                                                                                                                                                                                                                                                                                                                             l protein.
235 AA; 25520 MW;
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Best Local Similarity 85.3%,
Best Local 93; Conservative
                                                                                                                                                                and mouse cDNA sequences.
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                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
TISSUE=Lung;
                                                                                                                                                                           Proc. Natl. Acad.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROTEIN SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                            Hypothetical
SEQUENCE 23
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ROUGEOTIDE SEQUENCE.

RY NUCLECTIDE SEQUENCE.

RY MUCLECTIDE SEQUENCE.

RY Strausberg RY. PubMed=12477932; DOI=10.1073/pnas.242603899;

RY Strausberg RY. Feligodd E.A., Grouse L.H., Derge J.G.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haibe F.,

RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haibe F.,

RA Hopkins R.F., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

RA Stapleton M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

RA Brownstein M.J., Wordin T.B., Peters G.J., Abramson R.D., Mullahy S.J.,

RA Bosak S.A., McGwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RA Fahey J., Helton B., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

RA Hakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

RA Schnertlon and initial analysis of more than 15,000 full-length human

RT and mouse cDNA sequences.";
This Swiss-Prot entry is copyright. It is produced through a collaboration
                            between the Swiss Institute of Bioinformatics and the EMBL outstation -
the European Bioinformatics Institute. There are no restrictions on its
use as long as its content is in no way modified and this statement is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 BIVLTQSPATLSLSPGERATLSCRASQSVSS-YLAWYQQKPGQAPRLLIYDASNRATGIP 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60
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Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 EIVLTQSPGTLSLSPGERATLSCRASQSVSSGYLGWYQQKPGQAPRLLIYGASSRATGIP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 109;
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Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SMART; SM00406; IGv; 1.—
PROSITE; PS50835; IG LIKE; 1.
Direct protein sequencing; Immunoglobulin domain;
Immunoglobulin V region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 448; DB 1;
Pred. No. 1.3e-38;
3; Mismatches 11;
                                                                                                                                                                                                                                                                                                  GO; GO:0005576; C:extracellular region; NAS. GO:0003823; F:antigen binding; NAS. GO; GO:0006955; P:immune response; NAS. InterPro; IPR007110; IG-11ke. InterPro; IPR003596; IG_V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              By similarity
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QGGMWO;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       93; Conservative
                                                                                                                                                                                                     PIR; A01896; K3HUWL.
HSSP; P01625; 1LVE.
SMR; P01623; 1-109.
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Submitted (UNN-2004) To the EMBL/GenBank/DDBJ databases.
Libratted (UNN-2004) To the EMBL/GenBank/DDBJ databases.
Submitted (UNN-2004) To the EMBL/GenBank/DDBJ databases.
REMBL, BCO73792; AAH73792.1; -; mRNA.
SMR; QGGW00; 21-233.
ROJ: GG: OO16021; C: integral to membrane; IEA.
RINEEPRO; IPR003159; IG.
RINEEPRO; IPR003159; IG.
RINEEPRO; IPR003596; IG.
RINEEPRO; IPR003596; IG.
REMART; SM00409; IG. 2.
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REMART; SM00406; IG. 
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Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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                                                       [2]
NUCLEOTIDE SEQUENCE.
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(without alignments)
669.389 Million cell updates/sec
                                                                                                                         December 14, 2005, 07:31:09 ; Search time 70.8899 Seconds
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                 protein search, using sw model
                                                                                     ı
                                                                                   protein
                                                                                                                              Run on:
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565 1 EIVLTQSPATLSLSPGERAT.....QQRSNWPPFTFGPGTKVDIK 108 US-10-720-323-8 Title: Perfect score:

Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

2443163 seqs, 439378781 residues Searched:

Total number of hits satisfying chosen parameters:

2443163

seq length: 0 seq length: 200000000 88 Minimum | Maximum | Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

geneseqp1990s:* geneseqp2000s:* geneseqp2000s:* geneseqp2001s:* geneseqp2003s:* geneseqp2003s:* geneseqp2004s:* A_Geneseq_21:* Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		•			SUMMARIES		
Result No.	Score	Query Match	Query Match Length DB	08	ID	Description	
	595	100.0	108	5	AAM51165	Aam51165 Anti-tumo	OHIT
7	565	100.0	108	ß	AAM51173	Aam51173 Human Vg	Vq/
Э	565	100.0	108	S	AAU76334	Aau76334 Human ant	ant
4	565	100.0	108	7	ADJ73533	Adj73533 Erythropo	odo
S	565	100.0	108	7	ADJ73534		odo
9	565	100.0	108	0	ADW07091	Adw07091 Anti-PsaA	SaA
7	565	100.0	129	S	AAM51174		rec
80	565	100.0	129	ß	AAM51175	Aam51175 Human mAb	mAb
6	547	96.8	108	4	AAB72884	Aab72884 Human ant	ant
10	547	96.8	108	σ	AEB01062	Aeb01062 Human	IP1
11	547	96.8	109	7	ADF11411	Adf11411 16E1 a	anti
12	547	96.8	215	7	ADF11435	16E1	anti
13	546	9.96	128	œ	ADM41547	Adm41547 Anti-inte	inte
14	546	9.96	130	7	ADD89877	Add89877 Human ant	ant
15	546	96.6	130	œ	ADS64664	Ads64664 Human 9E7	9E7
16	546	9.96	130	æ	ADS64653	Ads64653 Human ant	ant
17	546	96.6	235	60	ADM41573	Adm41573 Anti-inte	inte

9H7 anti- 9H7 anti- 2D8 anti-	Anti-TRAI Light cha IgG kappa Amino aci	Human BLy Single ch Erythropo Erythropo Human HIV	Anti-NGF- SARS coro SARS coro	SARS COTO SARS COTO IGF-IR an Human IP1 Human int
Adf11415 Adf11439 Adf11427	Abp57362 Abr54916 Aeb19292 Adz51040	Abp45038 Adg95865 Adj73532 Adj73528	Ady26776 Adx02205 Adx02049 Adh34591	Adx01956 Adx02034 Adw08864 Aeb01064 Aab99371
ADF11415 ADF11439 ADF11427	ABP57362 ABR54916 AEB19292 ADZ51040	ABP45038 ADG95865 ADJ73532 ADJ73528 ADJ73528	ADX2205 ADX02205 ADX02049 ADH34591	ADX01956 ADX02034 ADW08864 AEB01064 AAB99371
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95.6 95.6 95.6	94.8 94.8 94.8	944.7 94.7 94.3		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 6 6 7 .
540 540 540	535.5 535.5 535.5	534.5 533 533	530.5 530.5 530.5	530.5 530.5 530 529.5
25 27 27	30 30 31		0 6 8 8 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14444 10844 10845

AAM51165 standard; protein; 108 AA. RESULT 1 AAM51165

ALIGNMENTS

AAM51165;

(first entry 10-JUN-2002 Tumour necrosis factor alpha; TNF; antibody; light chain; CDR; complementarity determining region; antirheumatic; antiarthritic; antiallergic; antinflammatory; antisickling; antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic; antianginal; cardiant; antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic; human; diagnosis; therapy.

Anti-tumour necrosis factor antibody light chain variable region.

Location/Qualifiers .. .23 /label= FR1 Homo sapiens. Key Region Region

57. .88 /label= FR3 89. .98 /label= CDR3 99. .108 /label= J6 50. .56 /label= CDR2 24. .34 /label= CDR1 35. .49 /label= FR2 Region Region Region Region Region

WO200212502-A2.

14-FEB-2002

07-AUG-2000; 2000US-0223360P. 29-SEP-2000; 2000US-0236826P. 01-AUG-2001; 2001US-00920137. 07-AUG-2001; 2001WO-US024785

Ads19298 Light cha Adw08866 IGF-IR an Adx11395 2283 anti Adi211419 2283 anti Adi22138 Anti-plat Aebolof7 Human IP1 Adf11403 2D8 anti-

ADS19298 ADW08866 ADF11395 ADF11419 ADI22138 AEB01057 ADF11403

8011861

108 108 108 108 108

995.99 95.99 5.99 5.99 6.99 6.99

118 122 23 24 24

(CENZ) CENTOCOR INC

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anti-tumour necrosis factor (TNR) antibody of the invention, The invention provides isolated human, primate, rodent, mammalian, chimeric, humanised and/or complementarity determining region (CDR)-grafted antibumanised and/or complementarity determining region (CDR)-grafted antibured by immunoglobulins, cleavage products and other specified portions and variants, as well as anti-TNR antibody compositions, formulations, devices, transgenic animals, transgenic compositions, formulations, devices, transgenic animals, transgenic plants, and methods of making and using them. The antibody comprises at least a portion of an immunoglobulin molecule, especially the present sequence, or either all of the CDRs of the heavy chain (see AAMSIISB-60) or all of the CDRs of the heavy chain (see AAMSIISB-60) or all of the CDRs of the light chain (see AAMSIISB-60) or all of the CDRs of the independing or treating any inhibit TNF-induced cell adhesion molecules, inhibit TNF binding to receptor, or provide Arthritic Index improvement in a mouse model. It is useful for diagnosing or treating a TNF related condition in a cell, tissue, organ or animal (claimed) such as rheumatoid arthritis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology, sickle cell anaemia, diabetes, a cardiovascular disease such as a treriosclerosis, atherosclerosis, restenosis, angina pectoris or arteriosclerosis, atherosclerosis, restenosis, and malaria, a malignant converse and multiple manial infections, pneumonia, leprosy and malaria, a malignant converse and multiple manial infections, pneumonia, leprosy and malaria, a malignant provens and multiple manial infections, pneumonia, leprosy and malaria, a malignant provens and multiple manial infections, pneumonia, leprosy and malaria, a multiple mania, and multiple mania.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lymphoma and multiple myeloma, or a neurological disease such as multiple sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease and Creutzfeldt-Jakob disease and
                                                                                                                                                                Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
                                                                                                                                                                                                                                                                                                                                                               The present sequence is that of the light chain variable region of an anti-tumour necrosis factor (TNF) antibody of the invention. The
                              Scallon B, Shealy D;
                                  Giles-Komar J, Knight DM, Heavner G,
                                                                                                                                                                                                                                                                                                 Claim 9; Page 129-130; 131pp; English
                                                                                               WPI; 2002-217194/27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 108 AA;
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1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
                                                                                     Gaps
                                   ô
                                                                                                                                  61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                 61 RFSGSGSGTDFTLTISSLEPEDFAVYXCQQRSNWPPFTFGFGTKVDIK 108
100.0%; Score 565; DB 5; Length 108; 100.0%; Pred. No. 1.2e-37; ive 0; Mismatches 0; Indels (
                                Matches 108; Conservative
                  Similarity
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Tumour necrosis factor alpha; TNF; antibody; light chain; CDR; complementarity determining region; antirheumatic; antiarthritic; antidicer; antiacthmatic; antialergic; antidifammatory; antisickling; antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic; antianginal; cardiant; antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic; human; diagnosis; therapy; Vg/38K.
                                                                                                                          Human Vg/38K-type light chain variable region.
                    AAM51173 standard; protein; 108 AA
                                                                                          (first entry)
                                                                                          10-JUN-2002
                                                    AAM51173;
AAM51173
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Homo sapiens

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Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
                                                                                                                                                                         Giles-Komar J, Knight DM, Heavner G, Scallon B, Shealy D;
Location/Qualifiers
                                                                                                                                                                                                                                Example 3; Fig 5; 131pp; English.
                                                 CDR2
                                                                         CDR3
                                                                                                                                      07-AUG-2000; 2000US-0223360P
                                                                                                                                          29-SEP-2000; 2000US-0236826P. 01-AUG-2001; 2001US-00920137
                                                       57. .88
/label= FR3
89. .98
/label= CDR3
                                                                                                                         07-AUG-2001; 2001WO-US024785
                        CDR1
                                                                              99. .108
/label= J3
       1. .23
/label= 1
                               35. .49
/label= |
                                           50. .56
/label= (
                        label=
                                                                                                                                                             (CENZ ) CENTOCOR INC.
                                                                                                                                                                                      2002-217194/27.
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                                                                                                 WO200212502-A2.
                                                                                                             14-FEB-2002
 Key
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Correspondent Bequence is that or a natural version to present conceed by a human germiline gene in a transgenic mouse used in human monoclonal antibody (mAb) construction. A GenTWV fusion was performed using splen cells from a hybrid mouse containing human correspondent with a parameter were performed using splen cells from a hybrid mouse containing human correspondent to the compilate and constant region antibody transgenes that was immunised with recompilate human tumour necrosis factor (TWP) alpha. Human mabs were obtained that bound immobilised human TWF alpha with apparently high cotained that bound immobilised human TWF alpha with apparently high cotained that bound immobilised human TWF alpha with apparently high cotained the light chain variable region of 2 of the mAbs. TWN14 and protion of the light chain variable region of 2 of the mAbs. TWN14 and CTMN51175, differed by a single amino acid residue. When it the CTMN51175, differed by a single amino acid residue. When the provides human, primate, redent, mammalian, chimaric, humanised and/or complementarity determining region (CDR)-grafted anti-TWF antibody compositions, encoding or complementary nucleic acids, vectors, indimonglobulins, and methods of maxing and using them. The anti-TWF antibody compositions, formulations, devices, transgenic acids, vectors, cransgenic plants, and methods of maxing and using them. The anti-TWF antibody compositions and in AMS1165, or either all of the CDRs of the CDRs of the present sequence and in AMS1165, or either all of the CDRs of the present sequence and in AMS1165, or all of the CDRs of the light chain (see AndS1189-60) or all of the CDRs of the CDRs of the present is an enterioration and publication, an infectious disease in a cell such as rhemmatoid arthritis, gastric ulear, asthma, allergic rhintis, mallers, and methodogy, sickle cell anaemia, diabetes, a cardiovascular disease such as arteriooral culear, asthma, allergic and antipinal disease such as allerandial, chronic myocardial infarction, an infactions present sequence is that of a human Vg/38K-type light chain variable

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diagnosing or treating dual integrin related condition such as rheumatoid
arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; antibody; dual integrin; HC CDR; variable region; LC CDR; medical device; immune related disease; rheumatoid arthritis; gastric ulcer; asthma; allergic rhinitis; Crohn; s pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          arthritis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology,
                                                                                                                                                                                                                                                                                                              EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                                       1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                        Gaps
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leukaemia; chronic myelocytic leukaemia; multiple myeloma;
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Alzheimer's disease, Creutzfeldt-Jakob disease.
                                                                                                                                                                                                                                                                                                                                                                                                          RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                Human anti-dual integrin antibody complete variable region #2
                                                                                                                                     Length 108;
                                                                                                                                                                                                     Indels
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Alzheimer's disease and Creutzfeldt-Jakob disease
                                                                                                                                  Score 565; DB 5;
Pred. No. 1.2e-37;
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100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-AUG-2000; 2000US-0223363P.
01-AUG-2001; 2001US-00920267.
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                                                                                                                                                                                                     Matches 108; Conservative
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                                                                                                                                                                 Local Similarity
                                                                  Sequence 108 AA
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                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                               mimetic; CDR mimetibody; gene therapy; transgenic; immune; cardiovascular; infectious; malignant; neurologic disease; anaemia; immunomodulator; cardiant; antimicrobial; cytostatic; neuroprotective;
           arteriosclerosis, atherosclerosis, restenosis, angina pectoris, myocardial infarction, infectious disease in a cell such as bacterial, viral, and fungal infections, pneumonia, leprosy, malaria, malignant disease such as leukaemia, chronic myelocytic leukaemia Burkitt's lymphoma, multiple myeloma, neurological disease such as multiple sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease, creutzfeldt-Jakob disease and many other diseases given in the specification. The present sequence is an anti-dual integrin human variable region containing at least one of the six CDRs listed above
                                                                                                                                                                                                                                                                                                                                       1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     variable region comprising human framework or ligand binding region, useful for preparing a composition for treating e.g., immune,
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                                                                                                                                                                                                                                                                                                                                                                                                                  RFSGSGSGTDFTLTISSLEPEDFAVYYCOORSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                                                                                                                                                                                                      RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                             Length 108;
diabetes, cardiovascular disease such
                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                           100.0%; Score 565; DB 5;
100.0%; Pred. No. 1.2e-37;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Erythropoietin light chain mimetibody SeqID 989.
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                                                                                                                                                                                                                                                                                                    Matches 108; Conservative
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cell anaemia,
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                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                      (AAU76327-AAU76332)
                                                                                                                                                                                                                           Sequence 108 AA;
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ADJ73533
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that can be useful in gene therapy and the generation of transgenic plants and animals. Furthermore, the CDR mimetibody is useful for preparing compositions for modulating, treating or reducing the symptoms of immune, cardiolar, infectious, malignant and/ or neurologic diseases, as well as anamia. Accordingly, they exhibit immunomodulator, cardiant, antimicrobial, cytostatic and neuroprotective activities. This polypeptide sequence is an erythropoietin light chain mimetibody of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mimetic; CDR mimetibody; gene therapy; transgenic; immune;
cardiovascular; infectious; malignant; neurologic disease; anaemia;
immunomodulator; cardiant; antimicrobial; cytostatic; neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New CDR mimetibody comprising a portion of a heavy or light chain variable region comprising human framework or ligand binding region, useful for preparing a composition for treating e.g., immune,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
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                                                                                                                                                                                                                                                                                                                                                                                           Length 108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 565; DB 7; 100.0%; Pred. No. 1.2e-37;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                al Similarity
108; Conserv
                                                                                                                                                                                                                                                                                                                              Sequence 108 AA;
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                                                                                                                                                                                                                                                                invention.
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The invention describes an isolated binding member comprising at least one binding domain capable of specifically binding Streptococcus preumoniae surface adhesin A (FBaA) protein, the binding domain having a dissociation constant K for PaAA which is less than 1 x10 -6 M. Also described are: an isolated nucleic acid molecule encoding at least a part of the binding member described above; a vector comprising the nucleic acid molecule of (1); a host cell comprising the nucleic acid molecule of (1); a cell line engineered to express the binding member described above; detecting or diagnosing a disease or disorder associated with member described above, the antibody being labeled; and a pharmaceutical composition comprising a binding member described above. The binding member is useful for producing a pharmaceutical composition for the treatment of Pneumococcus infection. The binding member, methods and
                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antibacterial; antiinflammatory; immunosuppressive; antibody engineering; pharmaceutical; infection; pneumonia; meningitis; sepsis; pneumococcal surface adhesin A; PsaA; light chain variable region.
                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                               EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
              diseases, as well as anaemia. Accordingly, they exhibit immunomodulator, cardiant, antimicrobial, cytostatic and neuroprotective activities. This polypeptide sequence is an erythropoietin light chain mimetibody of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein, useful for treating or preventing pneumonia, meningitis and/or
                                                                                                                                                                                                                 1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               member towards Streptococcus pneumoniae surface adhesin A
                                                                                                                                                                               Gaps
of immune, cardiovascular, infectious, malignant and/ or neurologic
                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                              RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                                                        RFSGSGSGTDFTLTISSLEPEDFAVYYCOORSNWPPFTFGPGTKVDIK 108
                                                                                                                                          Length 108;
                                                                                                                                                                               Indels
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                                                                                                                                            Score 565; DB 7;
Pred. No. 1.2e-37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kempe
                                                                                                                                                                               0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 40; 137pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                   ADW07091 standard; protein; 108
                                                                                                                                              100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-JUL-2004; 2004WO-DK000492.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-JUL-2003; 2003DK-00001044
11-JUL-2003; 2003US-0486647P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Anti-PsaA-antibody 9A7 VK
                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2005-101476/11.
N-PSDB; ADW07090.
                                                                                                                                                              Best Local Similarity
Matches 108; Conserv
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                                                                                                          Sequence 108
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-JAN-2005
                                                                          invention.
                                                                                                                                                                                                                                                                                          61
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADW07091;
                                                                                                                                               Query Match
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composition are useful for treating or preventing an individual suffering from disorders or diseases associated with S. preumonia, e.g. pneumonia, meningitis and/or sepsis. This is the amino acid sequence of anti-pneumococcal surface adhesin A (PsaA)-antibody 9A7 kappa light chain
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                                                                                                                                                                                                                                                                                  Tumour necrosis factor alpha; TNF; antibody; heavy chain; CDR; complementarity determining region; antirheumatic; antiarthritic; antidicer; antiacthmatic; antiallergic; antihiflammatory; antisickling; antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic; antianginal; cardiant; antibacterial; virucida; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic; human; diagnosis; therapy; TNV14; TNV15; monoclonal antibody; mAb.
                                                                                                           EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                   Human recombinant mAb TNV14, TNV15 light chain variable region.
                                                                                                                                               RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                         Length 108;
                                                                                         Indels
                                                                      tch al Similarity 100.0%; Score 565; DB 9; al Similarity 100.0%; Pred. No. 1.2e-37; 108; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                         . .20
label= Signal_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                  'label= Mature protein
                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                             AAM51174 standard; protein; 129 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   109. .118
/label= CDR3
119. .129
/label= J3
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29-SEP-2000; 2000US-0236826P.
01-AUG-2001; 2001US-00920137.
                                                                                                                                                                                                                                                                                                                                                                                                                                             44. .54
/label= CDR1
                                                                                                                                                                                                                                                                                                                                                                                                                                                              55. .69
/label= FR2
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/label= CDR2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 77. .108
/label= FR3
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                                                                                                                                                                                                                                                                                                                                                                                                                            11. .43
|abel= FR1
                                                                                                                                                                                                                                                (first entry)
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                                                                        Query Match
Best Local Similarity
                                     variable region.
                                                       Sequence 108 AA;
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                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
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                                                                                                                                                                                                                              AAM51174;
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                                                                                                                                                                                                                                                                                                                                                                                      Peptide
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                                                                                                                                                                                           RESULT 7
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C The present sequence is that of the light chain variable region of anti-
C tumour necrosis factor (TMY) human recombinant monoclonal antibodies

(mAbs) TNV14 and TNV15. These are human mabs produced from a GenTNV

(tusion using splean cells from a hybrid mouse containing human variable

and constant region antibody transgenes that was immunised with human TNF

alpha. The human mAbs bind immobilised human TNF alpha with high avidity

and have a totally human 1921, Kappa isotype. The mature portion of the

CC light chain variable region is identical to that of the Vg/18-type light

CC dight germline sequence (see AAM51173) show a single amino acid difference.

The invention provides human, primate, mammalian, rodent, chimeric,

the invention provides human, primate, mammalian, rodent, chimeric,

TNF antibodies, immunoglobulins, cleavage products and other specified

CC options and variants, as well as anti-TNF antibody compositions,

Encoding or complementary nucleic acids, vectors, host cells,

CC ompositions, formulations, devices, transgenic animals, transgenic

CC options and variants, as well as anti-TNF antibody compositions,

CC ompositions, formulation of an immunoglobulin molecule, sepecified

CC omprises at least a portion of an immunoglobulin molecule, the heavy chain and/or light chain variable regions given in the present

CC omprises at least a portion of an immunoglobulin molecule,

CC omprises at least a portion of an immunoglobulin molecule,

CC omprises at least a portion of an immunoglobulin molecule,

CC omprises at least a portion of an immunoglobulin molecule,

CC omprises at least a portion of an immunoglobulin molecule,

CC office AAM51158-60) or all of the CDRs of the heavy chain

CC office AAM51158-60) or all of the CDRs of the heavy chain

CC office AAM51158-60) or all of the CDRs of the heavy chain

CC office AAM5116 or elemental of the CDRs of the heavy chain

CC office and thology in the colons, or organical and organical infection in a cell infection organical and organical infect
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                                                                                                                                                                              Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          80
                                                                                                                                                                                                                                                                                                                                                                                                      present sequence is that of the light chain variable region of anti-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
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   Shealy
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Scallon B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 565; DB 5;
100.0%; Pred. No. 1.4e-37;
ive 0; Mismatches 0;
   Heavner G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAM51175 standard; protein; 129 AA.
                                                                                                                                                                                                                                                                                                                              Example 3; Fig 5; 131pp; English.
Giles-Komar J, Knight DM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JUN-2002 (first entry)
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Matches 108; Conserv
                                                                                                             N-PSDB; ABL53514.
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The present sequence is that of the light chain variable region of anti-
tumour necrosis factor (TNF) human recombinant monoclonal antibodies
tumour necrosis factor (TNF) human recombinant monoclonal antibodies
tumour necrosis factor and by the sequence of them a GenTNV
fusion using spleen cells from a hybrid mouse containing human variable
and constant region antibody transgenes that was immunised with human TNF
and have a totally human IgG1, kappa isotype. The mature portion of the
light chain variable region differs from that of the Vg/38-type light
chain germline sequence (see AAM51173) by a single residue (Tyr-50
replacing Ser). The light chain variable regions of 2 other human mAbs
(see AAM51174) were identical to the germline sequence. The invention
provides isolated human, primate, rodent, mammalian, chimaric, humanised
and/or complementarity determining region (CDR) grafted anti-TNF
antibodies, immunoglobulins, cleavage products and other specified
portions and variants, as well as anti-TNF antibody compositions,
compositions, formulations, devices, transgenic animals, transgenic
plants, and methods of making and using them. The anti-TNF antibody
compress at least a portion of an immunoglobulin molecule, especially
the heavy chain and/or light chain variable regions given in the present
sequence and in AAM31165, or either all of the CDRs of the heavy chain
(see AAM51158-60) or all of the CDRs of the heavy chain
antiulcer; antiasthmatic; antiallergic; antiinflammatory; antisickling; antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic; antianginal; cardiant; antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic; human; diagnosis; therapy; TNV148(B); TNV196; monoclonal antibody; mAb.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Scallon B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heavner G,
                                                                                                                                                                1. .20
/label= Signal_peptide
                                                                                                                                                                                                  20. .129
/label= Mature_protein
                                                                                                                                              cocation/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                        77. .108
/label= FR3
109. .118
/label= CDR3
119. .129
/label= J3
                                                                                                                                                                                                                                                                                                     55. .69
/label= FR2
70. .76
/label= CDR2
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29-SEP-2000; 2000US-0236826P.
01-AUG-2001; 2001US-00920137.
                                                                                                                                                                                                                                                                        44. .54
/label= CDR1
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/label= FR1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (CENZ ) CENTOCOR INC.
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N-PSDB; ABL53515
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                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-FEB-2002
                                                                                                                                                              Peptide
                                                                                                                                                                                                  Protein
                                                                                                                                                                                                                                   Region
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inhibit TNF binding to receptor, or provide Arthritic Index improvement in a mouse model. They are useful for diagnosing or treating a TNF related condition in a cell, tissue, organ or animal (claimed) such as related condition in a cell, tissue, organ or animal (claimed) such as rheumatoid arthritis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology, sickle cell anaemia, diabetes, a cardiovascular disease such as arteriosclerosis, atherosclerosis, restenosis, angina pectoris or myocardial infarction, an infectious disease in a cell such as bacterial, viral, and fungal infections, pneumonia, leprosy and malaria, a malignant disease such as leukaemia, chronic myelocytic leukaemia, Burkitt's luphoma and multiple myeloma, or a neurological disease such as multiple sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention provides the protein and coding sequences for human monoclonal antibodies which bind specifically to the HER2/neu growth factor receptor (also known as erbB2). These are designated 3-F2, 1-D2 and 2-E8. They can be used in the immunotherapy-based treatment and prognosis of cancers, particularly adenocarcinomas such as salivary gland, stomach, kidney, mammary gland, lung and squamous cell carcinomas, and ovarian cancer. The present sequence is part of an antibody of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; HER2; neu; erbB2; oncogene; cancer; antibody; immunotherapy; 3-F2;
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                                                                                                                                                                                                                                                                                                                                                                                                                     11 EIVLTGSPATLSLSPGERATLSCRASGSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New human monoclonal antibody that specifically binds to growth factor receptor HER2/neu, for treating, preventing or diagnosing diseases characterized by aberrant HER2/neu expression e.g. cancers.
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                                                                                                                                                                                                                                                                                                                                                               Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 129;
                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                    100.0%; Score 565; DB 5;
100.0%; Pred. No. 1.4e-37;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human anti-HER2/neu antibody 2-E8 light chain.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB72884 standard; protein; 108 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1-D2; 2-E8; growth factor receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-JUL-1999; 99US-0146313P.
10-MAR-2000; 2000US-0188539P.
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                                                                                                                                                                                                                                              Creutzfeldt-Jakob disease
                                                                                                                                                                                                                                                                                                                                                               Conservative
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les 108; Conserv
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                                                                                                                                                                                                                                                                                  Sequence 129 AA;
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                                                                                                                                                                                                                                                                                                                        Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Isolated human monoclonal antibody or an antigen-binding portion, which pecifically binds to human interferon gamma inducible protein 10 \cdot (1P-10), useful for treating viral or bacterial infection, or inflammatory or autoimmune diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated human monoclonal antibody or an antigen-binding portion, which specifically binds to human IP-10 and exhibits at least one property selected from: inhibits binding of IP-10 to CXCR3; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux; inhibits IP-10 induced calcium flux inhibits IP-10 induced calcium inflammatory or autoimmum monoclonal antibody is useful for treating an inflammatory or autoimmume disease including multiple sclerosis, rheumatoid arthritis, inflammatory bowel disease erythematoeus, Type I diabetes, inflammatory skin discoders (e.g., psoriasis, lichen planus), autoimmune thyroid disease (e.g., Graves'
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                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                  antibody, IP-10; inflammation; immune disorder; dermatological disease; respiratory disease; neurological disease; degeneration; infection; Neuroprotective; Antiarthritic; Antintheumatic; Antinflammatory; Antidiabetic; Antiporessive; Antidiabetic; Antiporiatic; Antithyroid; Antiasthmatic; Antiporiatic; Antithyroid; Antiasthmatic; Antiparatory-Gen.; Cerebroprotective; Vasotropic; Nootropic; Antiparkinsonian; Antiangiogenic; Antiateriosclerotic; Virucide; Antibacterial; light chain variable region.
                                                                                                                      1 BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
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                                                                                                                                                                                   RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIX 108
                                                                                                                                                                                                     Human IP10 antibody light chain variable region, SEQ ID NO 90.
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Liu MT;
                                                           Length 108;
                                                                                         1; Indels
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Lane TE, Keirstead HS,
                                                         96.8%; Score 547; DB 4;
96.3%; Pred. No. 3.3e-36;
ive 3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 35; SEQ ID NO 90; 179pp; English.
                                                                                                                                                                                                                                                                                             AEB01062 standard; protein; 108 AA
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                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                        al Similarity 96.3
104; Conservative
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Passmore D, Rangan VS,
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                              Sequence 108
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invention
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                                                           Query Match
                                                                         Local
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                                                                                         Matches
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disease, Hashimoto's thyroiditis), Sjogren's syndrome, pulmonary inflammation (e.g., asthma, chronic obstructive pulmonary disease, pulmonary asrocidosis, lymphocytic alveolitis), transplant rejection, spinal cord injury, brain injury (e.g., stroke), neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease), gingivitis, gene therapy-induced inflammation, diseases of angiogenesis, inflammatory kidney disease (e.g., IgA nephropathy, membranoproliferative atherospiritis, rapidly progressive glomerulonephritis), or atherosclerosis. It is also useful for treating a viral or bacterial infection involving unwanted IP-10 activity in a subject, where the viral infection is mediated by HIV, HCV, HSV-1 or SARS virus. The present sequence represents the amino acid sequence of a human IP10 monoclonal antibody light chain variable region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes an isolated human antibody (I) that specifically binds osteoprotegerin ligand (DPG). Also described: (1) a pharmaceutical composition comprising a pharmaceutical carrier and a therapeutic amount of (I); (2) methods of treating an osteopenic disorder in a patient, comprising administering to a patient the pharmaceutical composition of (1) or a pharmaceutical amount of (1); and (3) a method for detecting OPGL in a biological sample, comprising contacting the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYOOKPGOAPRLLIYDASNRATGIPA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated antibody that specifically binds osteoprotegerin ligand, useful for diagnosing or treating bone disorders, such as osteoporosis, bone loss from arthritis, Paget's disease or osteopenia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               human; antibody; osteoprotegerin ligand; OPGL; osteopenic disorder; osteopathic; antiarthritic; cytostatic; gene therapy; bone disorder; osteoporosis; bone loss; arthritis; Paget's disease; osteopenia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16E1 anti-OPGL antibody kappa chain variable region SEQ ID NO:24.
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                                                                                                                                                                                                                                                                                                                                                                             Length 108;
                                                                                                                                                                                                                                                                                                                                                                          Score 547; DB 9; Length 10 Pred. No. 3.3e-36; 3; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 6; SEQ ID NO 24; 156pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF11411 standard; protein; 109
                                                                                                                                                                                                                                                                                                                                                                             96.8%;
96.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 96.3
Matches 104; Conservative
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                                                                                                                                                                                                                                                                                                                                  Sequence 108 AA;
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treating bone disorders, such as osteoporosis, bone loss from arthritis,

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has
         to OPGI, and measuring the level of bound antibody in the sample. (1) has osteopathic, antiarthritic and cytostatic activities, and can be used in gene therapy. The composition and methods are useful in diagnosing or treating bone disorders, such as osteoporosis, bone loss from arthritis. Paget's disease or osteopenia. The antibody (1) may also be used for that produce the protein. The present sequence represents a sequence which is used in the exemplification of the present invention.
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under conditions that allow for binding of the antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated antibody that specifically binds osteoprotegerin ligand, useful for diagnosing or treating bone disorders, such as osteoporosis, bone loss from arthritis, Paget's disease or osteopenia.
                                                                                                                                                                                                                                                 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
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                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        human; antibody; osteoprotegerin ligand; OPGL; osteopenic disorder; osteopathic; antiarthritic; cytostatic; gene therapy; bone disorder; osteoporosis; bone loss; arthritis; Paget's disease; osteopenia.
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                                                                                                                                                                                                                                                                                        RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                                                                       Sullivan JK, Elliott RL, Martin F,
                                                                                                                                                                        DB 7; Length 109;
                                                                                                                                                                        Score 547; DB 7; Length 10
Pred. No. 3.4e-36;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16E1 anti-OPGL antibody light chain SEQ ID NO:48.
                                                                                                                                                                                                                                                                                                                                                                                            ADF11435 standard; protein; 215
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                                                                                                                                                                        96.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                   Matches 104; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Boyle WJ, Medlock E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2003-845253/78.
                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMGE-) AMGEN INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N-PSDB; ADF11434
                                                                                                                                             Sequence 109 AA;
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                                                                                                                                                                         Query Match
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The present invention describes an isolated human antibody (I) that specifically binds osteoprotegerin ligand (OPGI). Also described: (I) a pharmaceutical composition comprising a pharmaceutical carrier and a therapeutic amount of (I); (2) methods of treating an osteopenic disorder in a patient, comprising administering to a patient the pharmaceutical composition of (I) or a pharmaceutical amount of (I); and (3) a method for detecting OPGL in a biological sample, comprising contacting the sample with (I) under conditions that allow for binding of the antibody to OPGL, and measuring the level of bound antibody in the sample. (I) has osteopathic, antiarthritic and cytostatic activities, and can be used in gene therapy. The composition and methods are useful in diagnosing or

Claim 16; SEQ ID NO 48; 156pp; English

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The present sequence is that of human anti-interleukin-1 receptor type 1 (IL-IR1) monoclonal antibody (MAb) 26F5 kappa chain variable region. Human MAbs to IL-IR1 were prepared using the HCO7 etrain of transgenic mice, which expresses human antibody genes. These mice were immunised with purified recombinant IL-IR1, and splenocytes from immunised mice were fused to a mouse myelona cell line to generate hybridomas. Hybridomas which secreted a MAb that bound with high avidity to IL-IR1 were selected. The MAbs inhibit IL-1 signalling by competing with IL-1beta and IL-1alpha binding to IL-IR. These MAbs, as well as single chain antibodies single chain FV antibodies, Fab antibodies, Fab' antibodies and (Fab') 2 antibodies derived from them, are used in methods of treating
                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human, monoclonal antibody, antibody; interleukin-1; receptor;
antiasthmatic; antiinflammatory; dermatological; antiallergic;
protozoacide; antirheumatic; antiarthritic; osteopathic; vsaotropic;
analgesic; antidiabetic; nephrocropic; antianaemic; nootropic;
anticonvulsant; dermatological; antigout; antiparkinsonian; antidiabetic;
                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                            9
         Paget's disease or osteopenia. The antibody (1) may also be used for detecting OPGL in biological samples and in identifying cells or tissues that produce the protein. The present sequence represents a sequence which is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Anti-interleukin-1 receptor type 1 antibody kappa chain variable region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Isolated human antibody that specifically binds interleukin-1 receptor
                                                                                                                                                                                                                          1 BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                             1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   type 1 (IL-1R1) useful for treating IL-1 mediated diseases such as rheumatoid arthritis, osteoarthritis and inflammatory conditions.
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                                                                                                                                                                                                                                                                                                                         61 RFSGSGSGTDFTLTISSLEPEDFAVYCQQRSNWPPYTFGQGTKLEIK 108
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                                                                                                                                                 Length 215;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Huang
                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Martin F,
                                                                                                                                               96.8%; Score 547; DB 7; 96.3%; Pred. No. 6.4e-36; iive 3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Qian X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 2; SEQ ID NO 12; 179pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM41547 standard; protein; 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Witte A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-SEP-2003; 2003WO-US027978.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                   Best Local Similarity 96.3
Matches 104; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vezina C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-248462/23.
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                                                                                                                Sequence 215 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cytostatic.
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Elliott G;
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eating-disorders-gen; immunomodulator; antimicrobial; cardiovascular-gen;
                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                          80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated mammalian anti-tumor necrosis factor (TNF) antibody, useful for diagnosing or treating an anti-TNF related condition, e.g. cancer, anorexia, cachexia, or bacterial infection.
    for detecting the amount of IL-1R1 in a sample
                                                                                                                               ischaemia, Kawasaki's disease, learning impairment, lung diseases, multiple scleroosis, myopathy, osteoporosis, pain, Parkinson's disease, periodontal disease, pre-term labour, psoriasis, reperfusion injury, septic shock, side effects of radiation therapy, temporal mandibular joint disease, sleep disturbance, uveltis, or an inflammatory condition resulting from strain, sprain, cartilage damage, trauma, orthopaedic surgery, infection or other disease processes.
IL-1 mediated diseases or for detecting the amount of IL-IR1 in a sample IL-1 mediated diseases include acute pancreatitis, amyotrophic lateral sclerosis, Alzheimer's disease, cachestia, anorexia, asthma, atherosclerosis, autoimmune vasculitis, chronic fatigue syndrome. Clostridium associated illnesses, coronary conditions, cancer including leukaemia and tumour metacasis, diabetes, endometriosis, fever, fibromyalgia, glomerulonephritis, graft versus host disease, osteoarthritis, rheumatoid arthritis, inflammatory eye disease,
                                                                                                                                                                                                                                                                                                                                                                              BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 128;
                                                                                                                                                                                                                                                                                                                         2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human anti-TNF antibody 9E7 light chain variable region.
                                                                                                                                                                                                                                                                                          96.6%; Score 546; DB 8; 97.2%; Pred. No. 4.7e-36;
                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Carton JM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD89877 standard; protein; 130 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "CDR1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "CDR3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-MAR-2003; 2003WO-US009072.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                         Matches 105; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-804040/75.
N-PSDB; ADD89883.
                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                            Sequence 128 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              neuroprotective.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003083061-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
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                                                                                                                                                                                                                                                                                          Query Match
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The present sequence is that of the light chain variable region of human anti-tumour necrosis factor (TNF) monoclonal antibody 9E7. This human TNF reactive IgG monoclonal antibody was generated by cloning variable and constant region DNA in vector pC4 and expression in CHO cells. The invention provides isolated human, primate, rodent, mammalian, chimeric, humanized and/or CDR-grafted anti-TNF antibodies, immunoglobulins, their cleavage products, other specified portions and variants, as well as anti-TNF antibody compositions, nucleic acids encoding these, vectors, host cells, methods for producing the antibodies using a host cell, transgenic animal or transgenic plant or plant cell, and therapeutic compositions, methods are useful for diagnoshing or treating an anti-TNF related condition, e.g. cancer, anotexia, cachexia, or an immune, cardiovascular,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tumour necrosis factor; TNP; immunotherapy; TNF related diseases; obesity; immune related disease; rheumatoid arthritis; cardiovascular disease; stroke; malignant disease; leukaemia; neurological disease; multiple sclerosis; infection; hepatitis; anorectic; antiarthritic; cerebroprotective; vasotropic; cytostatic; neuroprotective; antiabacterial; antiinflammatory; hepatotropic; virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                              9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel isolated mammalian anti-tumor necrosis factor (TNF) alpha antibody capable of inhibiting binding of TNF alpha to TNF receptor, useful for treating TNF-related diseases such as obesity or rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 EIVLTÓSPATLSLSPGERATLSCRASOSVSSYLAWYOOKPGOAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                                                                                                                                                                                            1 BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK 108
                                                                                                                                                                                                                                                                                                                                                          Length 130;
                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                    Score 546; DB 7;
Pred. No. 4.8e-36;
1; Mismatches 2;
                                                                                                                                                                                                                                                                                infectious, and/or neurological disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Carton JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human 9E7LC light chain protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADS64664 standard; protein; 130
                  Claim 1; Fig 3B; 87pp; English.
                                                                                                                                                                                                                                                                                                                                                      96.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-MAR-2003; 2003US-00394471.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Giles-Komar J, Scallon BJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             human; 9E7LC; light chain.
                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-676151/66.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SCAL/) SCALLON B J. (CART/) CARTON J M.
                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N-PSDB; ADS64661.
                                                                                                                                                                                                                                                                                                                     Sequence 130 AA;
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                                                                                                                                                                                                                                                                                                                                                                                         Matches 105;
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                                                                                                                                                                                                                                                                                                                                                      Query Match
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The present invention relates to a mammalian anti-tumour necrosis factor (TNF) antibody capable of inhibiting binding of TNF alpha to TNF receptor. The invention is useful for diagnosing or treating an anti-TNF related condition in a cell, tissue, organ or animal and in immunotherapy. The invention is also useful for treating TNF related diseases chosen from obsesty, immune related diseases unch as rheumatoid arthritis, cardiovascular disease such as stroke, malignant disease such as stroke, malignant disease such as bacterial or viral infections such as hapatitis. The present sequence is the human SETLC light chain protein (variable region and J-region). This sequence is used in the exemplification of the invention.
                         Example 4; Fig 3; 45pp; English.
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Sequence 130 AA;

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                                                           1 BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 60
                                                                         1 BIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA 80
                                Gaps
                                .;
0
                                                                                                                     Query Match
96.6%; Score 546; DB 8; Length 130;
Best Local Similarity 97.2%; Pred. No. 4.8e-36;
Matches 105; Conservative 1; Mismatches 2; Indels
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Search completed: December 14, 2005, 07:40:52 Job time: 71.8899 secs

Haddad, M.

Thu Dec 15 10:59:52 2005	-720-323-1.rag (10/720323 Page 1
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GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.	30 100.0 119 2 30 100.0 119 2 30 100.0 119 2	Aar67447 OKT3 huma Aaw73531 Humanised Aaw33529 Humanised Aaw80851 Anti-Chra
OM protein - protein search, using sw model	30 100.0 119 5	Aau76333 Human ant Aao16693 Anti-ovar
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Title: US-10-720-323-1 Perfect score: 30 Sequence: 1 RYTMH 5	35 30 100.0 119 9 ADV66149 36 30 100.0 119 9 ADV26037 37 30 100.0 119 9 ADV26043 38 30 100.0 119 9 ADV26040	Adv66149 CD3-speci Adv26037 Mouse OKT Adv26043 Mouse OKT Adv26040 Mouse OKT
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greater than or equal is derived by analysis	30 100.0 142 3	Adw71854 APEX-3PmO Aay43871 Heavy cha
SUMMARIES	30 100.0 186 7 30 100.0 219 9 30 100.0 236 2	Adc31702 Human nov Adz00217 Mouse OKT Aar67436 OKT3 mono
Result Query No. Score Match Length DB ID Description	30 100.0 243 8 30 100.0 243 8	Adv14577 VL(CD3) -V Adr43341 scFv anti
30 100.0 5 5 AAMS1158 Anti	30 100.0 243 9	Adv14973 VA(CUS)-V Adz64929 Anti-CD3
30 100.0 10 9 ADV4578 Adv6152 Adv6455 Muta	30 100.0 243 9 30 100.0 243 9 30 100.0 243 9	Adz64955 Anti-CD3 Adz64919 Anti-CD3
30 100.0 10 9 ADZ83466 ADL3 30 100.0 10 9 ADZ83462 ADL3	30 100.0 243 9 30 100.0 243 9	Adz64927 Anti-CD3 Adz64951 Anti-CD3
30 100.0 10 9 ADZ83464 ADL: 30 100.0 114 2 AAR21273 ABR21273 Muri	30 100.0 243 9 30 100.0 243 9	Adz64931 Anti-CD3 Adz64912 Anti-CD3
30 100.0 119 2 AAR13097 Aar13097 Graf 30 100.0 119 2 AAR13092 Aar13092 Graf	30 100.0 243 9	Adz64937 Anti-CD3
30 100.0 119 2 AAR13100 AAR13100 Grai 30 100.0 119 2 AAR13096 AAR13096 Grai	30 100.0 243 9 30 100.0 243 9	Adz64941 Anti-CD3 Adz64933 Anti-CD3
13 30 100.0 119 2 AAR13095 Aar13096 Graf 14 30 100.0 119 2 AAR13096 Aar13098 Graf	30 100.0 243 9 30 100.0 243 9	Adz64939 Anti-CD3 Adz64945 Anti-CD3
30 100.0 119 2 AAR12104 AAR13105 GEA 30 100.0 119 2 AAR13104 AAR1313104 GEA 30 100.0 119 2 AAR13094 AAR13094 GEA	30 100.0 243 9 30 100.0 243 9 30 100.0 243 9	Adz64921 Anti-CD3 Adz64953 Anti-CD3 Adz64947 Anti-CD3
30 100.0 119 2 AAR13102 Aar13102 Graf 30 100.0 119 2 AAR13101 Aar13101 Graf	30 100.0 243 9	Adz64949 Anti-CD3 Adz64935 Anti-CD3
3 Graft 3 Graft 9 Graft	30 100.0 243 9 30 100.0 243 9 30 100.0 243 9	Adz64917 Anti-CD3 Adz64915 Anti-CD3 Adz64923 Anti-CD3
30 100.0 119 2 AAR67449 Aar67449 OKTT 30 100.0 119 2 AAR75224 OKTT	30 100.0 243 9 30 100.0 243 9	Adz83383 Anti-CD3 Adz83389 Anti-CD3

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This sequence is that of complementarity determining region 1 (CDR1) of the heavy chain of an anti-tumour necrosis factor (TNF) antibody. The invention provides isolated human, primate, roder, mammalian, chimeric, humanised and/or CDR-grafted anti-TNF antibodies, immunoglobulins, cleavage products and other specified portions and variants, as well as anti-TNF antibody compositions, formulations, devices, transgenic anti-TNF antibody compositions, formulations, devices, transgenic anti-TNF antibody compositions, formulations, devices, transgenic anti-TNF antibody comprises at least a portion of an immunoglobulin molecule, especially the heavy chain and/or 11ght chain variable regions given in AAMS1165-66, or either all of the CDRs of the heavy chain (see AAMS1156-66, or either all of the CDRs of the heavy chain (see AAMS1156-60) or all of the CDRs of the light chain (see AAMS1151-61). The antibody may inhibit TNF-induced cell adhesion molecules, inhibit TNF chinding to receptor, or provide Arthritic Index improvement in a mouse model. It is useful for diagnosing or treating a TNF related condition in the useful for diagnosing or treating a TNF related condition in gastric ulcer, asthma, allergic rhinitis, Cohn's pathology, sickle cell anaemia, diabetes, a cardiovascular disease such as arteriosclerosis, atherosclerosis, reetenosis, angina pectoris or myocardial infarction, an infections pheumonala, leptory and malaria, a malignant disease such as Infections preumonala, leptorsy and malaria, a malignant disease such as Infections pleumonala, leptorsy and malaria, a malignant disease such as Infections and multiple leukaemia, chronic myolocytic leukaemia, Burkitt's lymphoma and multiple
                                                                                                                                                                                                                                                                                                                                                                                  Tumour necrosis factor alpha; TNF; antibody; heavy chain; CDR; complementarity determining region; antirheumatic; antiarthritic; antiulcer; antiasthmatic; antialtramatory; antisickling; antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic; antianginal; cardiant; antibacterial; virucide; fungicide; antileprotic; protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic;
Adz83397 Anti-CD3
Adz83405 Anti-CD3
Adz83380 Non-deimm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel isolated mammalian anti-tumor necrosis factor antibody, usefu treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shealy D;
                                                                                                                                                                                                                                                                                                                                            Anti-tumour necrosis factor antibody heavy chain CDR1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Giles-Komar J, Knight DM, Heavner G, Scallon B,
                                                                                                        ALIGNMENTS
ADZ83397
ADZ83405
ADZ83380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 21; Page 128; 131pp; English
                                                                                                                                                                                                                AAM51158 standard; peptide; 5 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-AUG-2000; 2000US-023360P.
29-SEP-2000; 2000US-0236826P.
01-AUG-2001; 2001US-00920137.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-AUG-2001; 2001WO-US024785.
  000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  human; diagnosis; therapy.
                                                                                                                                                                                                                                                                                                  (first entry)
  243
243
243
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100.0
100.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                  10-JUN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; antibody; dual integrin; CDR; heavy chain variable region; HC CDR; medical device; immune related disease; rheumatoid arthritis; gastric ulcer; asthma; allergic rhinitis; Crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; infectious disease; pneumonia; leprosy; malaria; malignant disease; leukaemia; chronic myelocytic leukaemia; multiple myeloma; neurological disease; multiple sclerosis; Parkinson's disease; Alzheimer's disease; Creutzfeldt-Jakob disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
myeloma, or a neurological disease such as multiple sclerosis,
Parkinson's disease, spinal ataxia, Alzheimer's disease and Creutzfeldt-
                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human anti-dual integrin antibody heavy chain variable region CDR1.
                                                                                                                                                             ö
                                                                                                                      Length 5;
                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Trikha M;
                                                                                                                    Score 30; DB 5;
Pred. No. 2e+06;
                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Snyder L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 29; Page 133; 144pp; English.
                                                                                                                                                                                                                                                                                                                                          AAU76327 standard; peptide; 5 AA.
                                                                                                                      100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-AUG-2000; 2000US-0223363P.
01-AUG-2001; 2001US-00920267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-AUG-2001; 2001WO-US024784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Giles-Komar J, Heavner G,
                                                                                                                                                                                                                                                                                                                                                                                                                         21-MAY-2002 (first entry)
                                                                                                                                                             5; Conservative
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                                                                                                                    Query Match
Best Local Similarity
Matches 5; Conserv
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                                                                                                                                                                                                   1 RYTMH
                                                                                                                                                                                                                                          1 RYTMH
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                                                                              Sequence 5 AA;
                                         Jakob disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                 AAU76327;
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arteriosclerosis, atherosclerosis, restenosis, angina pectoris, myocardial infarction, infectious disease in a cell such as bacterial, viral, and fungal infections, pneumonia, leprosy, malaria; malignant disease such as leukaemia, chronic myelocytic leukaemia, Burkitt's lymphoma, multiple myeloma; neurological disease such as multiple sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease, Creutzfeldt-Jakob disease and many other diseases given in the specification. The present sequence is an anti-dual integrin human heavy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New pharmaceutical composition having a bispecific single chain antibody construct, useful for preventing, treating or ameliorating a tumorous disease, such as an epithelial or minimal residual cancer.
                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             bispecific single chain antibody; CDRH3; tumor; cancer; cytostatic;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Raum T;
                                                                                                                                                                                                     100.0%; Score 30; DB 5; Length 5; 100.0%; Pred. No. 2e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Wolf A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ry M, Offner S, Brischwein K, 1
Lenkkeri-Schuetz U, Baeuerle P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; SEQ ID NO 75; 227pp; English.
                                                                                                                                                                                                                                                                                                                                                                                          ADV66152 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mutant CDRH3 peptide - SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-MAY-2004; 2004WO-EP005687.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAY-2003; 2003EP-00012133 31-MAY-2003; 2003EP-00012134
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2005-021271/02.
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                                                                                                                                                                                                                      Local Similarity
les 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Berry M,
                                                                                                                                                                                                                                                                         1 RYTMH 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2004106383-A1
                                                                                                                                                                                                                                                                                              RYTMH
                                                                                                                                                                       Sequence 5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kohleisen B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-FEB-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-DEC-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kufer P,
                                                                                                                                      chain CDR
                                                                                                                                                                                                                                                                                                                                                                                                                           ADV66152;
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This invention relates to novel pharmaceutical compositions that comprise a bispecific single chain antibody construct, a nucleic acid sequence concoling the antibody construct and a vector that contains the mucleic acid sequence. Specifically, it refers to an antibody construct that contains binding domains specific for the human T cell differentiation candings CD3 and CD19, with specific variable heavy and light chain regions. In particular such constructs include, from the N· to C-termini, in the order, VH(CD19)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD3)-VL(CD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of bispecific single chain antibody construct, nucleic acid sequence encoding the antibody construct, vector containing the nucleic acid or host transformed with the vector for the treatment of e.g. proliferative
                                                                                                                                                                                                                                                                                                                                                        B-cell leukemia, inflammation; immune disorder; autoimmune disease; rheumatoid arthritis; viral infection; allergy; parasitic infection; graft-versus-host disease; cytostatic; antiinflammatory; immunosuppressive; antimicrobial-gen.; antirheumatic; antiarthritic; virucide; antiparasitic; antiallergic; proliferative disorders; cancer.
                                                                                                                                                                                                                                                                                                                                      engineering; antibody therapy; CD3; tumor;
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                                                                                                                                                                                                                                                                                  CDR1 peptide of the VH(CD3) antibody fragment Seq 52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Zeman S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kohleisen B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 5; SEQ ID NO 52; 115pp; English.
                                                                                                                                     ADV14578 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-MAY-2004; 2004WO-EP005685.
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                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kufer P, Lutterbuese R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and autoimmune disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2005-021270/02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MICR-) MICROMET AG
                                                                                                                                                                                                                                                                                                                                      antibody; antibody
          RYTMH 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004106381-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                    24-FEB-2005
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                                                                                                              ADV14578
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Gaps

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0; Indels

0; Mismatches

Best Local Similarity 100. Matches 5: Conservative

Query Match

Sequence 10 AA;

100.0%; Score 30; DB 9; Length 10; 100.0%; Pred. No. 5.5;

Sequence 10 AA;

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The invention relates to a cytotoxically active CD3 specific binding construct comprises a first domain specifically binding to human CD3 and an Ig-derived second binding domain. The CD3 specific binding construct above or the construct produced by the process, nucleic acid molecule, vector, or host is useful for the preparation of a pharmaceutical composition for the prevention, treatment, or amelioration of a proliferative disease, a tumor, an inflammatory disease, an immunological disorder, an autoimmune disease, an inflammatory disease, viral disease, allergic reactions, parafit vectors, graft-versus-host disease, or host-versus-graft diseases. The cytotoxically active CD3 specific binding construct is useful for treating, preventing, or ameliorating disorder, an autoimmune disease, a tumor, an inflammatory disease, an immunological disorder, an autoimmune disease, an infectious disease, an infectious disease, viral disease, allergic reactions, parasitic reactions, graft-versus-host diseases, or host-versus-graft diseases. The present sequence represents the amino acid sequence of a non-delmmunized anti-CD3 cassette heavy chain variable region CDR.
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region (CDR) peptide of a variable heavy chain antibody protein molecule that targets human CD3 antigens, as given in an exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             neoplasm; inflammation; immune disorder; infection; allergy;
graft versus host disease; Cytostatic; Antiinflammatory;
Immunosuppressive; Virucide; Antibacterial; Antiallergic; Antiparasitic;
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                                                                                                                                                          Gaps
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                                                                                                                 100.0%; Score 30; DB 9; Length 10; 100.0%; Pred. No. 5.5; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hofmeister R, Kohleisen B, Lenkkeri-Schuetz U, Itin C, Carr FJ, Hamilton AA, Williams S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Anti-CD3 cassette heavy chain variable region CDR1 #3.
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                                                                                                                                                                                                                                                                                                                                       ADZ83466 standard; protein; 10 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CD3; heavy chain variable region
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-OCT-2003; 2003EP-00023581
                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                 Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             domain, useful for tre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2005-333494/34.
N-PSDB; ADZ83702.
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                                                                                                                                                                                                                                      RYTMH 10
                                                                                                                                                                                               1 RYTMH 5
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                                                                              Sequence 10 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                       invention
                                                                                                                                                                                                                                                                                                                                                                              ADZ83466;
                                                                                                                                                                                                                                                                                                RESULT 5
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The invention relates to a cytotoxically active CD3 specific binding construct comprises a first domain specifically binding to human CD3 and an Ig-derived second binding domain. The CD3 specific binding construct above or the construct produced by the process, nucleic acid molecule, vector, or host is useful for the preparation of a pharmaceutical composition for the prevention, treatment, or amelioration of a composition for the prevention, treatment, or amelioration of a confidency, an autoimmune disease, a tumor, an infectious disease, viral disease, allergic reactions, parasitic reactions, graft-versus-host disease, or construct is useful for treating, preventing, or ameliorating construct is useful for treating, preventing, or ameliorating disease, allergic reactions, parasitic reactions graft-versus-disease, an immunological disoace, an autoimmune disease, an inflammatory disease, an immunological disoace, allergic reactions, parasitic reactions graft-versus-host disease, or host-versus-graft diseases. The present sequence represents the amino acid sequence of a non-deimmunized anti-CD3 cassette heavy chain variable
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New cytotoxically active CD3 specific binding construct comprises a first domain specifically binding to human CD3 and an Ig-derived second binding domain, useful for treating, preventing, or ameliorating, e.g.
                                                                                                                                                                                                                                                                                                                                                                     graft versus host disease, Cytostatic, Antiinflammatory,
Immunosuppressive, Virucide, Antibacterial, Antiallergic, Antiparasitic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Baeuerle P;
                                    Gaps
                                    ö
                                                                                                                                                                                                                                                                                                                                                inflammation; immune disorder; infection; allergy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 30; DB 9; Length 10; Pred. No. 5.5;
100.0%; Score 30; DB 9; Length 10; 100.0%; Pred. No. 5.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Itin C,
                                    0; Indels
                                                                                                                                                                                                                                                                                                                 Anti-CD3 cassette heavy chain variable region CDR1 #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   n B, Lenkkeri-Schuetz U,
Williams S;
                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 1; SEQ ID NO 84; 639pp; English.
                                                                                                                                                                                                       ADZ83462 standard; protein; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                           CD3; heavy chain variable region.
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                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hofmeister R, Kohleisen
Carr FJ, Hamilton AA, W
Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        proliferative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2005-333494/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MICR-) MICROMET AG
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                                                                                                           6 RYTMH 10
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                                                                        1 RYTMH 5
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                                                                                                                                                                                                                                                                              14-JUL-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                       neoplasm;
                                                                                                                                                                                                                                          ADZ83462;
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                                                                                                                                                                   RESULT 6
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RYTMH 10
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                                                   RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a first
binding
                                                                                                                                                                                                                                                                                                 neoplasm; inflammation; immune disorder; infection; allergy; graft versus host disease; Cytostatic; Antiinflammatory; Immunosuppressive; Virucide; Antibacterial; Antiallergic; Antiparasitic; CD3; heavy chain variable region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Baeuerle P;
 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hofmeister R, Kohleisen B, Lenkkeri-Schuetz U, Itin C,
Carr FJ, Hamilton AA, Williams S;
 Indels
                                                                                                                                                                                                                                                                   Anti-CD3 cassette heavy chain variable region CDR1 #2.
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0; Mismatches
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                                                                                                                                                            ADZ83464 standard; protein; 10 AA
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                                                                                                                                                                                                                                (first entry)
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Best Local Similarity 100.
5; Conservative
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N-PSDB; ADZ83463.
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                                                                  RYTWH 10
                                  RYTMH 5
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Matches
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ADZ83464
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The VH sequence is one of 22 (AAR21264-85) expressed from a single chain for library. The library produces a diverse repertoire of antibody fragments specific for 2-phenyl-5-oxazolone (phox). It was prepd. using CDNA generated from mRNA from mice immunised with phox coupled to chicked serum albumin. The VH and VL kappa sequences were separately amplified by CSC (AACA2144-84) and ligated into fdCAPT (AAC31463) for expression on the phage surface as fusions with gene III. The resulting library of clones was diverse; 23 hapten binding clones were sequenced revealing 8 VH genes (A-H; AAR21264-71) in a variety of pairings with 7 VK genes (a-Gross as equenced. 13 new patrners (AACA2146-95). Most clones were recented for hapten binding and 24 clones sequenced. 13 new patrners (AAR21272-85) for VK-d were identified. Nearty all the VH genes belonged to gp 1, with only one, "E", being of gp (VH-B/VK-d for phox-GABA was 10 nM, one of the highest values found. This suggests that phage bearing scFV fragments having weak affinit. ies can be selected with antigen, probably due to the avidity of the multiple antibody heads on the phage. The different combinations could also be
                                                                                                                          Fd; bacteriophage; gene III; filamentous; phagemid; capsid; coat; pilus; g3p; binding; adsorption; gene VIII; diverse repertoire; specific binding pairs; replicable genetic display package.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Griffiths AD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Producing members of specific binding pairs - by expression in recombinant host cells with a secreting replicable genetic display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hoogenboom HRJ,
                                                                                                                                                                                                                                                                                                      99. .103
/label= CDR3
/note= " D/N-X-G-X-X motif "
                                                                                             Murine VH group 1 chain J specific for phOx.
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Marks JD;
                                                                                                                                                                                                                         Location/Qualifiers
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AAR21273 standard; protein; 114 AA.
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90GB-00024503.
91GB-00004744.
91GB-00010549.
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/label= CDR1
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                                                                                                                                                                                                                                                                                       /label= CDR2
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, Holliger KP,
                                                               (first entry)
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Binding-site
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06-MAR-1991;
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Gaps

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1 RYTMH 5

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New humanised antibodies comprising CDR grafted antibody - with heavy and
light chains, for use in vivo therapy and diagnosis.
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                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Сарв
                                                                                                                                                                                                                                                                                                            humanised antibody; CDR graft; heavy chain variable region; mouse.
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                                                100.0%; Score 30; DB 2; Length 119; 100.0%; Pred. No. 71; ive 0; Mismatches 0; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2; Length 119;
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                                                                                                                                                                                                                                                                                                                                                                                                    25. .35
/label= from murine OKT 3 heavy chain
                                                                                                                                                                                                                                                                                                                                                                                                                                                99. .106
/label= from murine OKT 3 heavy chain
                                                                                                                                                                                                                                                                                     Grafted heavy chain variable region gH341/JA178.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 30; DB Best Local Similarity 100.0%; Pred. No. 71; Matches 5; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                        50. .66
/label= from murine
                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                     AAR13092 standard; protein; 119 AA.
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(revised)
(first entry)
                                     Query Match
Best Local Similarity luv.
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 to correct PA field.)
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                                                                                                                        31 RYTMH 35
                                                                                                 1 RYTMH 5
                           Sequence 119 AA;
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21-DEC-1990;
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04-OCT-1991
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Synthetic
                                                                                                                                                                                                            AAR13092;
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Region
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New humanised antibodies comprising CDR grafted antibody - with heavy and
light chains, for use in vivo therapy and diagnosis.
isolated on a basis of antigen affinity. See also AAR21260-307, 309-311;
                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                         humanised antibody; CDR graft; heavy chain variable region; mouse.
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                                                             2; Length 114;
                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                             48. 66
/label= from OKT3 heavy chain
/note= "Val(64) is from KOL sequence"
                                                                                                                                                                                                                                                                                                                                                                                                                        label= OKT 3 heavy chain residue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'label= OKT 3 heavy chain residue
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                                                                                                                                                                                                                                                                                                Grafted heavy chain variable region gH341D/JA197.
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/label= from OKT 3 heavy chain
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/label= from OKT 3 heavy chain
                                                           DB
68;
                                                                                   0; Mismatches
                                                           100.0%; Score 30; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
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(revised)
(first entry)
                                                                      Similarity 100
5; Conservative
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                                                                                                                               31 RYTMH 35
            AAR22450, 565-581
                                                                                                            1 RYTMH 5
                                     Sequence 114 AA;
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09-JAN-2003
04-OCT-1991
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21-DEC-1990;
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Synthetic.
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                                                         Query Match
Best Local S
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Matches
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Gaps

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humanised antibody; CDR graft; heavy chain variable region; mouse.
                             100.0%; Score 30; DB 2; Length 119; illarity 100.0%; Pred. No. 71; Conservative 0; Mismatches 0; Indels
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/label= from OKT3 heavy chain
/note= "Val(64) is from KOL sequence"
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/label= from OKT 3 heavy chain
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90WO-GB002017
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(first entry)
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                    (CLLT ) CELLTECH LTD
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                                                                                      31 RYTMH 35
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            Sequence 119 AA;
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                                                                     1 RYTMH
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Synthetic.
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                                                                                                                                                                   numanised antibody; CDR graft; heavy chain variable region; mouse.
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|label= from OKT3 heavy chain
|note= "Val(64) is from.KOL sequence"
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/label= from OKT 3 heavy chain
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/label= from OKT 3 heavy chain
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                                                                   AAR13100 standard; protein; 119 AA.
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New humanised antibodies comprising CDR grafted antibody - with heavy and light chains, for use in vivo therapy and diagnosis.
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New humanised antibodies comprising CDR grafted antibody - with heavy and
light chains, for use in vivo therapy and diagnosis.
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100.0%; Score 30; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 71;
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/note= "val(64) is from KOL sequence"
99. .106
/label= from OKT 3 heavy chain
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/label= from OKT 3 heavy chain
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               Score 30;
Pred. No. 7
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                Query Match 100.
Best Local Similarity 100.
Matches 5, Conservative
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light chains, for use in vivo therapy and diagnosis.
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100.0%; Score 30; DB 2; Length 119;
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cive 0; Mismatches 0; Indels
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/note= "Val(64) is from KOL sequence"
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/label= from OKT 3 heavy chain
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/note= "Val(64) is from KOL sequence"
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/label= from OKT 3 heavy chain
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New humanised antibodies comprising CDR grafted antibody - with heavy and light chains, for use in vivo therapy and diagnosis.
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                                                                                                                             humanised antibody; CDR graft; heavy chain variable region; mouse.
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|Jabel= from OKT3 heavy chain
|note= "Val(64) is from KOL sequence"
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/label= from OKT 3 heavy chain
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                                                                                                    Grafted heavy chain variable region gH341*/JA206.
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/label= from OKT 3 heavy chain
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AAR13104 standard; protein; 119 AA.
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100.0%; Score 30; DB 2; Length 119; 100.0%; Pred. No. 71; cive 0; Mismatches 0; Indels

Best Local Similarity 100. Matches 5; Conservative

Query Match

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New humanised antibodies comprising CDR grafted antibody - with heavy and
light chains, for use in vivo therapy and diagnosis.
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It comprises the human KOL heavy chain sequence except where certain
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Mismatches 0; Indels
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note= "Val(64) is from KOL sequence"
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light chains, for use in vivo therapy and diagnosis.
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                           Gaps
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Mismatches 0; Indels
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/note= "Val(64) is from KOL sequence"
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This is an example of a CDR-grafted heavy chain region of the invention. It comprises the human KOL heavy chain sequence except where certain regions have been replaced by corresponding regions from the murine OKT3 antibody heavy chain (see features). See AAQ12636-7 and AAR13092-R13109. NOTE: Data found in patent WO9109968 has been used to index this entry. (Updated on 09-UAN-2003 to add missing OS field.) (Updated on 25-MAR-2003 to correct PA field.)
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                                                                                                                                                2; Length 119;
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/note= "Val(64) is from KOL sequence"
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regions have been replaced by corresponding regions from the murine OKT3 antibody heavy chain (see features). See AAQ12636-7 and AAR13092-R13109. NOTE: Date found in patent WO9109968 has been used to index this entry. (Updated on 09-JAN-2003 to add missing OS field.) (Updated on 25-MAR-2003 to correct PA field.)
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/label= from OKT 3 heavy chain
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New humanised antibodies comprising CDR grafted antibody - with heavy and
light chains, for use in vivo therapy and diagnosis.
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90WO-GB002017
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90WO-GB002017
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Best Local Similarity 100.
Matches 5; Conservative
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                                                             Athwal DS,
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                               (CLLT ) CELLTECH LTD
                                                                                            WPI; 1991-222915/30.
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21-DEC-1990;
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09-JAN-2003
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Synthetic.
                                                               Adair JR,
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                                                                                This is an example of a CDR-grafted heavy chain region of the invention. It comprises the human KOL heavy chain sequence except where certain regions have been replaced by corresponding regions from the murine OKT3 antibody heavy chain (see features). See AAQ12636-7 and AAR13092-R13109, NOTE: Data found in patent WO9109968 has been used to index this entry. (Updated on 09-JAN-2003 to add missing OS field.) (Updated on 25-MAR-2003 to correct PA field.)
               New humanised antibodies comprising CDR grafted antibody - with heavy and
light chains, for use in vivo therapy and diagnosis.
                                                                                                                                                                                                                                                                                           Gaps
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/note= "Val(64) is from KOL sequence"
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100. .106
/label= from OKT 3 heavy chain
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/label= from OKT 3 heavy chain
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                                                               Example 15; Fig 5; 91pp; English
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Matches 5; Conservative
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Misc-difference
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09-JAN-2003
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The anti-human CD3 mouse monoclonal antibody OKT3 (IgG2a) can be engineered to contain a human Fc region. By transferring the binding specificity into a human framework, the immunoganicity is reduced without affecting the immunosuppressive activity. (Updated on 25-MAR-2003 to correct PN field.) (Updated on 16-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                   New humanised OKT3 antibody with mutated Fc receptor binding region - useful as immunosuppressant to reduce transplant rejection, lacks the T-cell activating side effects of wild type antibody.
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   /note= "CDR region of 3C10 heavy chain"
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Chimeric.
                                          WO9428027-A1
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                                    New humanised antibodies comprising CDR grafted antibody - with heavy and light chains, for use in vivo therapy and diagnosis.
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/note= "CDR region of 3C10 heavy chain"
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WPI; 1991-222915/30.
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Best Local Similarity
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RYTMH 35
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Homo sapiens.
Chimeric.
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The anti-human CD3 mouse monoclonal antibody OKT3 (IgG2a) can be engineered to contain a human Fc region. By transferring the binding specificity into a human framework, the immunogenicity is reduced without affecting the immunosuppressive activity. (Updated on 25-MAR-2003 to correct PN field.) (Updated on 16-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modulating mammalian immune system e.g. in tissue transplants - using Fc receptor non-binding anti-CD3 antibodies that inactivate Th1 and promote Th2 type T cells.
                                                                                                                                                                                                               New humanised OKT3 antibody with mutated Fc receptor binding region - useful as immunosuppressant to reduce transplant rejection, lacks the T-cell activating side effects of wild type antibody.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OKT3; variable region; immune system modulator; theta chain; infection; T-cell receptor; TCR complex; ZAP-70; tyrosine kinase; human; cancer; haematopoietic tissue transplant; autoimmune disease; therapy.
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                                                                                                                                                                                                                                                                                                       Disclosure; Page 98-99; 135pp; English
                                                                                                                            Jolliffe L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW73531 standard; protein; 119 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Humanised OKT3 variable region.
94WO-US006198.
                                          93US-00070116.
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Best Local Similarity
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01-JUN-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 26
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                                                                                                                                                                                                                                                                                                                                                                                                             New humanised OKT3 antibody with mutated Fc receptor binding region - useful as immunosuppressant to reduce transplant rejection, lacks the T-cell activating side effects of wild type antibody.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OKT3; humanized antibody; 3C10; antibody engineering; immunosuppressive;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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100.0%; Score 30; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 5; Conservative 0; Mismatches 0; Indels
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                                          99. .108
/note= "CDR region of 3C10 heavy chain"
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                      "mouse residue"
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                                                                                                                                                                                                                                                                                                                            Jolliffe L;
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Chimeric.
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2; Length 119;

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This invention relates to the novel anti-CD3 monoclonal antibody heavy chain and light chain variable-area and the encoded proteins thereof. Specifically, it refers to using these genes and polypoptides for the preparation of medicines for the diagnosis and treatment of tumor growth. The present invention further describes the development of composition that can be used to inhibit immunological rejection during organ transplantation i.e. graft versus host disease. Accordingly, these compositions exhibit immunosuppressive and cytostatic activities. This polypeptide sequence is the anti-CD3 monoclonal antibody heavy chain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CD3-resisting single clone antibody heavy-chain and light-chain variable-
area gene, useful for treating tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                           CD3; tumor suppressor; organ transplant rejections; immunosuppressive;
                                                                                                                                                                                                                                                                                                                                                                              Anti-CD3 monoclonal antibody heavy chain protein Seg 3.
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100.0%; Pred. No. 71;
live 0; Mismatches
         100.0%; Score 30; DB 100.0%; Pred. No. 71;
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                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic; antibody
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phosphorylation of a p21 form of theta of the T-cell receptor (TCR) complex without induction of the highly phosphorylated form of theta and triggers ZAP-70 association, but does not induce tyrosine phosphorylation of associated ZAP-70 tyrosine kinase. The immunomodulatory compound is then combined in a pharmaceutically acceptable vehicle and administered to the mammal. The method is used to modulate the immune system in a human receiving haematopoietic tissue transplant. It can also be used in the treatment of diseases such as an autoimmune disease, an infection cancer, or other malignancy or immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This sequence represents a humanised variable region of OKT3. The OKT3 sequence can be used in the method of the invention. The method is for modulating the immune system of a mammal, and comprises obtaining an immunomodulatory compound that selectively induces theta chain tyrosine phosphorylation of a p21 form of theta of the T-cell receptor (TCR) complex without induction of the highly phosphorylated form of theta and triggers ZAP-70 association, but does not induce tyrosine phosphorylation of associated ZAP-70 tyrosine kinase. The immunomodulatory compound is then combined in a pharmaceutically acceptable vehicle and administered to the mammal. The method is used to modulate the immune system in a human receiving haematopoletic tissue transplant. It can also be used in the treatment of diseases such as an autolimmune disease, an infection cancer, or other malignancy or immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Modulating mammalian immune system e.g. in tissue transplants - using Fc receptor non-binding anti-CD3 antibodies that inactivate Th1 and promote Th2 type T cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OKT3; variable region; immune system modulator; theta chain; infection; T-cell receptor; TCR complex; ZAP-70; tyrosine kinase; human; cancer; haematopoietic tissue transplant; autoimmune disease; therapy.
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                                                                                                                                                                                                                                                                   100.0%; Score 30; DB 2; Length 119; 100.0%; Pred. No. 71;
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                                                                                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW73529 standard; protein; 119 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Humanised OKT3 variable region.
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Best Local Similarity
Matches 5; Conserv
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                                                                                                                                                                                                                         Sequence 119 AA;
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                                                                                                                                                                                                                                                                                                                                                         1 RYTMH
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RESULT 27

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Gaps

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Indels

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4; Length 119;

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AA016693 standard; protein; 119 AA.
AA016693
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to an isolated mammalian anti-dual integrin antibody having at least one of the human heavy chain or light chain complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also included are the nucleic acids endergo compressing the complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also concluded are the nucleic acids a host cell comprising the vector comprising the nucleic acids, a host cell comprising the vector, an anti-idiotype contibody that binds to the ant-dual integrin, a medical device comprising the antibody sultable for administration by parenteral, subcutaneous, intraduceduar, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, intravenous, antravenous, intravenous, intervenous, intravenous, intervenous, intravenous, intervenous, intervenous, intravenous, intervenous, intravenous, intervenous, intravenous, intervenous, intravenous, intravenous, intravenous, intravenous, intravenous, intervenous, inte
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as rheumatoid arthritis, gastric ulcer, asthma, atherosclerosis, restenosis.
                                                        Human; antibody; dual integrin; HC CDR; variable region; LC CDR; medical device; immune related disease; rheumatoid arthritis; gastric uler; asthma; allergic rhinitis; crohn's pathology; sickle cell anaemia; diabetes; cardiovascular disease; arteriosclerosis; atherosclerosis; restenosis; angina pectoris; myocardial infarction; lifectious disease; pneumonia; leprosy; malaria; malignant disease; leukaemia; chronic myelocytic leukaemia; multiple myeloma; neurological disease; multiple sclerosis; Parkinson's disease; Alzheimer's disease; Creutzfeldt-Jakob disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease, Creutzfeldt-Jakb disease and many other diseases given in the specification. The present sequence is an anti-dual integrin human variable region containing at least one of the six CDRs listed above
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                     Human anti-dual integrin antibody complete variable region #1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Giles-Komar J, Heavner G, Snyder L, Trikha M;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 134; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                            07-AUG-2000; 2000US-0223363P.
                                                                                                                                                                                                                                                                                                                                                                                                       07-AUG-2001; 2001WO-US024784
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                                                                                                                                                                                                                                                                            Homo sapiens.
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||||| 31 RYTMH 35 RYTMH 5

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RESULT 30

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The invention comprises an anti-ovarian cancer bispecific antibody. The bispecific antibody of the invention contains an anti-ovarian cancer antibody region and an anti-CD3 antibody region. The antibody of the invention is useful for treating tumours, particularly ovarian cancer. The present amino acid sequence is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CDR3; antinflammatory; antimicrobial; cytostatic; immunomodulator; immunouppressive; proliferative disease; tumour; inflammatory disease; immunological disorder; autoimmune disease; infectious disease; OKT3; heavy chân variable region; antibody.
                                                                                                 Anti-ovarian cancer bispecific antibody; anti-ovarian cancer antibody; anti-CD3 antibody; tumour; ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               drug compositions for preventing or treating tumor e.g. ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anti human ovarian cancer-anti CD3 bispecific antibody, applicable in
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100.0%; Score 30; DB 6; Length 119;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 5; Conservative 0; Mismatches 0; Indels
                                               Anti-ovarian cancer bispecific antibody-related protein #3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Huang H, Jiang X, Fang M, Feng J, Zhou P, Yu X,
                                                                                                                                                                                                                                                                                                                                                                                                                                 (GENE-) INST GENETICS & DEV BIOL CAS. (BEIJ-) BEIJING ABT GENETIC ENG TECHNOLOGY CO LT.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 5; Fig 5; 51pp; Chinese.
                                                                                                                                                                                                                                                                                                                                  23-MAY-2002; 2002WO-CN000347.
                                                                                                                                                                                                                                                                                                                                                                                    24-MAY-2001; 2001CN-00118247.
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N-PSDB; AAL52078.
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                                                                                                                                                                                                                              WO2003004648-A1.
                                                                                                                                                                              Unidentified
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antigen expressed in cell having phagocytosis activity, useful in cancer
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                                                                                                                                                                                 The invention relates to a novel polypeptide construct comprising at least one CDR3 region comprising at least one mutation in a fully defined sequence of 6 amino acids. A construct of the invention has antiinflammatory, antimicrobial, cytostatic, immunomodulator, and immunosuppressive activity. The polypeptide construct, polynucleotide, vector or composition are useful for the prevention, treatment or amelioration of a proliferative disease, a tumorous disease, an immunological disorder, an autoimmune disease or an infectious disease, an immunological disorder, an autoimmune the OKT3 antibody heavy chain variable region without the signal peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel diabody type bispecific antibody having first specificity to human epithelial cell growth factor receptor and second specificity to surface
                                                                                                                               Antibody construct, useful in treating, e.g., cancer and inflammatory diseases comprises at least one mutated CDR3 region.
                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diabody; bispecific antibody;
human epithelial cell growth factor receptor; HBR; phagocytosis;
cell damage; cytostatic; cancer immunotherapy; anti-tumour agent;
increased cytokine production; phagocytic; cell-damage; tumour cell;
OKT3; VH; humanised.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel bispecific antibody-related OKT3 antibody VH partial protein.
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                                                                                                                                                                                                                                                                                                                                100.0%; Score 30; DB 8; Length 119; 100.0%; Pred. No. 71; ive 0; Mismatches 0; Indels
                                                                                                                                                                Claim 8; SEQ ID NO 42; 80pp; English.
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           11-OCT-2002; 2002CA-02403313
                              11-OCT-2002; 2002CA-02403313
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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Best Local Similarity 100.
Matches 5; Conservative
                                                                                               WPI; 2004-390792/37.
N-PSDB; ADQ91062.
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                                                    (MICR-) MICROMET AG
                                                                                                                                                                                                                                                                                                                                                                                                RYTMH 35
                                                                                                                                                                                                                                                                                                                                                                           1 RYTMH 5
                                                                                                                                                                                                                                                                                                           Sequence 119 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-PSDB; ADR48639
                                                                          Lanzavecchia A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JP2004242638-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-NOV-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADR48645;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chimeric
                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 32
                                                                                                                                                                                                                                                                                                                                                                                                                                             ADR48645
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Antiallergic; antiinflammatory; vasotropic; dermatological; nootropic; antiarthritic; antidiabetic; nephrotropic; immunosuppressive; which thyrominetic; antidiabetic; nephrotropic; maccular; antiparkinsonian; with antianaemic; ophthalmological; hepatotropathic; gastrointestinal; antianaemic; ophthalmological; neuropathic; gastrointestinal; with antirheumatic; antiulocr; antithyroid; immune therapy; human; PD-1; whispecific antibody; senile dementia; Alzheimer; sidesase; Nown's syndrome; Parkinson's disease; Coretzfeldt-Jacob disease; wayotrophic lateral sclerosis; diabetic neuropathy; Huntington's disease; warchritis; wayotardosis diabetic neuropathy; Huntington's disease; warthritis; wayocardosis disease; ulcerative colitis; warthritis; wultiple sclerosis; dry bright; rheumatoid arthritis; multiple sclerosis; dry bright; wheumatoid arthritis; multiple wyositis; scleroderma; polyarteritis nodes; rheumatic fever; vitiligo vulgaris; sclerosis; whishin-dependent diabetes mellitus; Hashimoto's disease; Bechet disease; Madison's disease; sterility; dermatomyositis; myasthenia gravis; km altoinmune thrombocytopenic purpura; autoimmune haemolytic anaemia; autoimmune thrombocytopenic purpura; autoimmune haemolytic anaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                           a first specificity with respect to a human spithelial cell growth factor receptor (HBR) and a second specificity with respect to the surface antigen expressed in a cell having phagocytosis or cell damage activity. The invention may be useful for the production of compounds with a cytostatic activity. Hence it is useful in cancer immunotherapy as an anti-tumour agent. The antibody increases cytokine production in a cell having phagocytic or cell-damage activity. The invention may be useful in preparing pharmaceutical composition for excluding, for killing or harming, for traumatising and/or decreasing tumour cells. The antibody exhibits an excellent in vivo cell damage activity and has the advantage that it maintains its activity and exhibits outstanding stability even when preserved for several months. The present sequence is that of the humanised OKT3 antibody VH chain and which was used in the
                                                                                                invention relates to a novel diabody type bispecific antibody having
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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0
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Example 12; Fig 21; 49pp; Japanese.
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The invention relates to a substance (I) specific to human PD-1, a region recognizing a momental a region recognizing human PD-1, a region recognizing a comprising a region recognizing human PD-1, a region recognizing a membrane protein existency in cytoplasmic membrane in which human PD-1 is expressed, and a linker. Also disclosed are: (a) a bispecific antibody (II) comprising an antibody with respect to human PD-1 or its partial fragment, and antibody with respect to be cell receptor composition the partial fragment and a linker; (b) a polypebilde (III) comprising the antibody with respect to busin PD-1, and comprising a sequence in which to antibody with respect to human PD-1, and comprising a sequence in which consisting of (IV); and (e) a host cell (VI) transformed by (V). (I) is consisting of (IV); and (e) a host cell (VI) transformed by (V). (I) is consisting of (IV); and (e) a host cell (VI) transformed by (V). (I) is consisting of (IV); and (e) a host cell (VI) transformed by (V). (I) is consistent as a pharmaceutical composition for preventing or treating a concerned in human PD-1, such as neurodegenerative disease chosen from senile dementia, Alzheimer's disease, Down's syndrome, classes, cutoimmune disease, anyotrophic lateral sclerosis, disease, autoimmune disease chosen from glomeral context dermatitis, arthritis, cutling and disease, systemic lupus erythematosus, rheumatoid arthritis, multiple sclerosis, dry bright, allergic context dermatitis, multiple context disease, permitions ansemia, context dermatitis, multiple sclerosis, insulin-dependent diabetes membrane permitions ansemia, context dermatitis, multiple sclerosis, disease, disease, permitions ansemia, autoimmune thrombocycopenic purpura, autoimmune haemolytic ansemia, andimia, This sequence corresponds to a bispecific antibody targeted to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                 Substance specific to human PD-1, comprises region recognizing human PD-1, region recognizing membrane protein existing in cytoplasmic membrane expressing human PD-1, and linker.
                                                              Yoshida T, Miyamoto M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bispecific single chain antibody, CD3, tumor; cancer, cytostatic; heavy chain variable region.
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                                                                Matsuo M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 6; 70pp; Japanese.
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                                                                Takeda K,
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Les 5, Conservative
(ONOY ) ONO PHARM CO LTD (HONJ/) HONJO T.
                                                                Honjo T, Shibayama S,
                                                                                                         WPI; 2004-625878/60
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                                                                                                                               N-PSDB; ADR42624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 119 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New pharmaceutical composition having a bispecific single chain antibody construct, useful for preventing, treating or ameliorating a tumorous
                                                                                                                                                                                                   New pharmaceutical composition having a bispecific single chain antibe construct, useful for preventing, treating or ameliorating a tumorous disease, such as an epithelial or minimal residual cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        bispecific single chain antibody; CD3; tumor; cancer; cytostatic;
heavy chain variable region.
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                                                                                                           Wolf A, Raum T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CD3-specific antibody heavy chain variable domain - SEQ ID 72.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wolf A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kufer P, Berry M, Offner S, Brischwein K, V
Kohleisen B, Lenkkeri-Schuetz U, Baeuerle P;
                                                                                                           Kufer P, Berry M, Offner S, Brischwein K, 1
Kohleisen B, Lenkkeri-Schuetz U, Baeuerle P,
                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 77; 227pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADV66149 standard; protein; 119 AA.
26-MAY-2004; 2004WO-EP005687.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-MAY-2004; 2004WO-EP005687.
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31-MAY-2003; 2003EP-00012134.
                                31-MAY-2003; 2003EP-00012133.
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Matches 5; Conservative
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                                                                                                                                                           2005-021271/02.
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                                                                              (MICR-) MICROMET AG.
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                                                                                                                                                                         N-PSDB; ADV66153
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 119 AA;
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The invention relates to a de-immunized anti-CD3 antibody. The antibody, composition and methods are useful for stimulating an immune response against infections and for treating infections. The present sequence represents the amino acid sequence of a mouse OKT3 deimmunized VH
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                                                                                                                                                                                                                                                                                                                                                                                                               Carr FJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                         immunostimulant; immunogenicity; antibody.
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                                                                                                                                     Mouse OKT3 deimmunized VH protein v6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mouse OKT3 deimmunized VH protein v3
                                      ADV26043 standard; protein; 119 AA.
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                                                                                                                                                                                                                                                                                                                                            02-JUN-2003; 2003US-0475155P.
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                                                                                                                                                                                                                                                                                                                                                                                                               Faas-Knight S,
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                                                                    ADV26043;
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                                                               The invention comprises a composition that contains a bispecific single chain antibody consisting of at least two domains, where one of domains binds to human epithelial cell adhesion molecule (EpcAM) antigen, and the second domain binds to human CD3 antigen. The bispecific antibody construct of the invention is useful for the prevention, treatment or amelioration of a tumorous disease, such as an epithelial or minimal residual cancer. The present amino acid sequence represents an antibody heavy chain variable domain that is specific for the CD3 antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antibody,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                        100.0%; Score 30; DB 9; Length 119; 100.0%; Pred. No. 71;
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disease, such as an epithelial or minimal residual cancer.
                                                                                                                                                                                                                                                                                         0; Indels
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                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   immunostimulant; immunogenicity; antibody.
                               Disclosure; SEQ ID NO 72; 227pp; English.
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Best Local Similarity luv...
5, Conservative
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nes 5; Conservative
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immunostimulant; immunogenicity; antibody.
                                                                                                                                     Mouse OKT3 deimmunized VH protein v2.
                                                             ADV26039 standard; protein; 119 AA
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                                                                                                            The invention relates to a de-immunized anti-CD3 antibody. The antibody, composition and methods are useful for stimulating an immune response against infections and for treating infections. The present sequence represents the amino acid sequence of a mouse OKT3 deimmunized VH
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                                                New de-immunized anti-CD3 antibody, useful for stimulating an immune response against infections and for treating infections.
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                                                                                      Claim 2, SEQ ID NO 13; 75pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse OKT3 deimmunized VH protein v7
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APPLICANT: Clackson, Timothy
APPLICANT: Chiswell, David
APPLICANT: Chiswell, David
APPLICANT: Watner, Gregory
APPLICANT: Bonert, Timothy
TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs
FILE REFERENCE: 21383-0013
CURRENT APPLICATION NUMBER: US/09/726,219A
CURRENT FILING DATE: 1990-10-19
PRIOR PILING DATE: 1990-10-19
PRIOR PLILNG DATE: 1990-10-19
PRIOR PLILNG DATE: 1990-10-19
PRIOR APPLICATION NUMBER: GB 902245.3
PRIOR FILING DATE: 1990-10-19
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PRIOR PLILNG DATE: 1995-06-07
PLENGTH: 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: VH of scFv from mouse immunized with 2-phenyl-5-oxazolone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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100.0%; Score 30; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 5; Conservative 0; Mismatches 0; Indels
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18-09-196-522-223
5 Sequence 223, Application US/09196522
Fatent No. 6916605
GENERAL INFORMATION:
APPLICANT: Cambridge Antibody Technology Limited
                                                                                                                                                                                                                                                                                                                APPLICANT: Cambridge Antibody Technology
APPLICANT: Cambridge Antibody Technology Limited
APPLICANT: Medical Research Council
APPLICANT: McCafferty, John
                                                              ALIGNMENTS
                                                                                                                                                                                                                    Sequence 223, Application US/09726219A Patent No. 6806079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hoogenboom, Hendricus
Griffiths, Andrew
Jackson, Ronald
Holliger, Kasper
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pope, Anthony
Johnson, Kevin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31 RYTMH 35
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APPLICANT: Holliger, Kanald
APPLICANT: Holliger, Kanald
APPLICANT: Holliger, Kanald
APPLICANT: Clackson, Timochy
APPLICANT: Clackson, Timochy
APPLICANT: Clackson, Timochy
APPLICANT: Clackson, Timochy
APPLICANT: Claskson, Timochy
TILE OF INVENTION: Whites: Gregory
APPLICANT: Bonert, Timochy
TILE OF INVENTION: Whethods for Producing Members of Specific Binding Pairs
FILE REFREENCE: 21393-0000
CURRENT APPLICATION NUMBER: US/09/196,522
CURRENT FILING DATE: 1990-10-10
PRIOR FILING DATE: 1990-10-10
PRIOR APPLICATION NUMBER: GB 9022845.3
PRIOR FILING DATE: 1990-10-13
PRIOR FILING DATE: 1990-11-12
PRIOR FILING DATE: 1990-11-12
PRIOR FILING DATE: 1990-10-19
PRIOR APPLICATION NUMBER: GB 910549.4
PRIOR FILING DATE: 1991-03-06
PRIOR FILING DATE: 1991-07-10
PRIOR APPLICATION NUMBER: CG 90791,857
PRIOR FILING DATE: 1991-07-10
PRIOR APPLICATION NUMBER: US 00/971,857
PRIOR FILING DATE: 1991-07-10
PRIOR APPLICATION NUMBER: US 08/484,893
PRIOR FILING DATE: 1995-06-07
NUMBER OF SEQ ID NOS: 272
SOUTHARE: Percentin version 3.1
SEQ ID NO 223
LENGTH: 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; FEATURE:
; OTHER INFORMATION: VH of scFv from mouse immunized with 2-phenyl-5-oxazolone
US-09-196-522-223
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STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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APPLICANT: Joiliffe, Linda K.
APPLICANT: Joinffe, Linda K.
APPLICANT: Zivin, Robert A.
APPLICANT: Adair, John R.
APPLICANT: Adair, John R.
APPLICANT: Athwal, Diljeet S.
TITLE OF INVENTION: CD3 Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 30; DB 100.0%; Pred. No. 18;
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Patent No. 5929212
McCafferty, John
Pope, Anthony
Johnson, Kevin
Hoogenboom, Hendricus
Griffiths, Andrew
Jackson, Ronald
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 5; Conservative
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STATE: PA
COUNTY: USA
ZIP: 19103
COMPUTER READABLE FORM:
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amino acid
        GENERAL INFORMATION:
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USA
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                                                                                                                                                                                                                                                              ZIP: 19103
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            염
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: 2011jeffe, Linda Kay
APPLICANT: 2011jeffe, Linda Kay
APPLICANT: Zivin, Robert Allan
APPLICANT: Adair, John Robert
APPLICANT: Adair, John Robert
APPLICANT: Adair, John Robert
APPLICANT: Adair, John Robert
APPLICANT: Adair, John Robert
APPLICANT: Adair, John Specific Recominant Antibody
FILE REFERENCE: CARPOO66
GURRENT APPLICATION NUMBER: US/09/348,224
CURRENT FILING DATE: 1999-07-06
EARLIER APPLICATION NUMBER: 08/116,247
EARLIER FILING DATE: 1993-09-03
EARLIER FILING DATE: 1991-10-04
NUMBER OF SEQ ID NOS: 29
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                             PPLICALION TELLING DATE:

CLASSIFICATION: 435

PLIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/743,377

FILING DATE: 10-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Paintin, Francis A.

REGISTRATION NUMBER: 19,386

REFERENCE/DOCKET NUMBER: 19,386

REFERENCE/DOCKET NUMBER: CARP-0011

TELEPAN: (215) 568-3100

TELEPAN: (215) 568-3109

TELEPAN: (215) 568-3109

TELEPAN: (215) 568-3109

TELEPAN: (215) 568-3109

TELEPAN: (215) 568-3109

TELEPAN: 118 amino acids

LENGTH: 118 amino acids
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Patent No. 6750325
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 5; Conservative
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Best Local Similarity
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ORGANISM: Mouse
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US-08-303-569B-11
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GENERAL INFORMATION:
APPLICANT: Admir, John R.
APPLICANT: Athwal, Diljeet S.
APPLICANT: Athwal, Diljeet S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPENDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STRRET: One Liberty Place - 46th Floor
CITY: Philadelphia
STREE: PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
APPLICANT: Adalf, John R.
APPLICANT: Athwal, Diljeet S.
APPLICANT: Entage, John S.
TITLE CANT: Entage, John S.
TITLE CANT: Entage, John S.
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris STREET: One Liberty Place - 46th Floor
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                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/303,569B
FILING DATE: 07-SEP-1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/303,569B
FILING DATE: 07-SEP-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Trujilo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5859205
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Best Local Similarity 100.0
Matches 5; Conservative
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STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
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                                                                                                                                                                                                                                                                                                   100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19; tive 0; Mismatches 0; Indels
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ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION BATA:

APPLICATION NUMBER: US/08/303,569B

FILING DATE: 07-SEP-1994

CLASSIFICATION:

ATTORNEY AGENT INFORMATION:

NAME: TTAJ110, DOTEON YACKO

REGISTRATION NUMBER: 35,719

REFERENCE/DOCKET NUMBER: CARP-0032

TELECOMMUNICATION INFORMATION:

TELEPAN: (215) 568-3100

TELEPAX: (215) 568-3100

TELEPAX: (215) 568-3100

TELEPAX: (215) 568-3100

TELEPAX: (215) 568-3100

TELEPAX: (215) 568-3100

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TELEPAX: (215) 568-3100

TELEPAX: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 7
US-08-303-569B-13
Sequence 13, Application US/08303569B
Sequence 13, Application US/08303569B
PREAL INFORMATION:
APPLICANT: Adair, John R.
APPLICANT: Entage, John S.
TITLE OF INFORMINE Humanised Antibodies
UMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
               REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acids
Trujillo, Doreen Yatko
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 119 amino acids
TYPE: amino acid
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MOLECULE TYPE: peptide
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Best Local Similarity
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Best Local Similarity
Matches 5; Conserv
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31 RYTMH 35
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STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
                                                                                             GENERAL INFORMATION:
APPLICANT: Adalr, John R.
APPLICANT: Athwal, Diljeet S.
APPLICANT: The Athwal, Diljeet S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE MODERCES.
ADDRESSEE: ADDRESS:
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
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CURRENT APPLICATION DATA:
BLIANDION TOWNER: US/08/303,569B
FILING DATE: 07-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patentin Release #1.0, Version #1.25
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Patent No. 5859205
GENERAL INFORMATION:
APPLICANT: Athwal, Diljeet S.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
CLASSIFICATION:
NAME: TUTJILO, DOTEON YARKO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0032
TELECOMMUNICATION INFORMATION:
TELEFAX: (215) 568-3100
TELEFAX: (215) 568-3100
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TELEFAX: (215) 568-3
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Sequence 14, Application US/08303569B Patent No. 5859205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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Best Local Similarity 100.
Matches 5; Conservative
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CURRENT APPLICATION DATA:
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MOLECULE TYPE: peptide
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STATE: PA
COUNTRY: UK
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RESULT 11
US-08-303-569B-17
Sequence 17, Application US/08303569B
Set and No. 589205
GENERAL INFORMATION:
APPLICANT: Adair, John R.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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Patent No. 5859205
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Admir, John R.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
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                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/08/303,569B

FLING DATE: 07-SEP-1994

CLASSIFICATION: NORMATION:

NAMME: TAUJILO, Doreen Yarko

REGISTRATION NUMBER: 35,719

REFERENCE/POCKET NUMBER: CARP-0032

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity
Matches 5; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
TOPOLOGY: linear
      31 RYTMH 35
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USA
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COUNTRY: US
ZIP: 19103
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US-08-303-569B-18
                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
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                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Parent PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/303,569B
FILING DATE: 07-SEP-1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 16, Application US/08303569B
Patent No. 5859205
GENERAL INFORMATION:
APPLICANT: Adair, John R.
APPLICANT: Entage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
               FILING DATE: 07-SEP-1994

CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0032
TELECOMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Trujilo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFACOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
APPLICATION NUMBER: US/08/303,569B
FILING DATE: 07-SEP-1994
                                                                                                                                                                                                                                                   119 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 119 amino acids
TYPE: amino acid
TOPOLOGY: linear
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Best Local Similarity 100.
....hes 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                            linear
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TOPOLOGY: li
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US-08-303-569B-16
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Sequence 20, Application US/08303569B
Sequence 20, Application US/08303569B
Patent No. 589205
GENERAL INFORMATION:
APPLICANT: Adail.
APPLICANT: Athwal, Diljeet S.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21, Application US/08303569B
Patent No. 5859205
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Addar, John R.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
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CURRENT APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 35,719

REGISTRATION NUMBER: 35,719

REGISTRATION NUMBER: 35,719

REFERENCE/DOCKET NUMBER: 35,719

REFERENCE/DOCKET NUMBER: 35,719

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REFERENCE/DOCKET NUMBER: 35,719

REFERENCE
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0; Mismatches
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Best Local Similarity 100.
Matches 5; Conservative
   5; Conservative
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MOLECULE TYPE: peptide
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                                                                1 RYTMH 5
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STATE: PA
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-303-569B-21
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   Matches
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US-08-303-569B-19
i Sequence 19, Application US/08303569B
i Sequence 19, Application US/08303569B
i Patent No. 5895205
i GENERAL INFORMATION:
APPLICANT: Actival, Dilject S.
APPLICANT: Athwal, Dilject S.
TITLE OF INVENTION: Humanised Antibodies
I CORRESPONDENCE ADDRESS:
ADDRESSED: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 30; DB 1; Length 119;
100.0%; Pred. No. 19;
.ive 0; Mismatches 0; Indels
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                 CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/303,569B

FILING DATE: 07-SEP-1994

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Trujillo, Dorsen Yatko

REGISTRATION NUMBER: 35,719

REFERENCE/ODCKET NUMBER: 35,719

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEFAX: (215) 568-3419

INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 119 amino acids

TYPE: amino acid

TYPE: amino acid
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MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: ISM
COMPUTER: DECOMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/303,569B
FILING DATE: 07-SEP-1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Trujilo, Doreen Yarko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
   PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : 119 amino acids
amino acid
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Matches 5; Conservative
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   OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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Sequence 23. Application US/08303569B
Patent No. 5859205
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Achar, John R.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
CHTY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
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                                        100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: CAS ZIP: 19103

ZIP: 19103

COMPUTER READBLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: Floppy disk COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/08/303,569B

FILING DATE: 07-SEP-1994

CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 24, Application US/08303569B; Patent No. 5859205; GENERAL INFORMATION: APPLICANT: AAdair, John R. APPLICANT: Athwal, Dillet S. APPLICANT: Emtage, John S. TITLE OF INVENTION: Humanised Antibodies; NUMBER OF SEQUENCES: 31; CORRESPONDENCE ADDRESS: ADDRESSEE: Woodcock Washburn Kurtz Mackies;
                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFRENCE/DOCKET NUMBER: CARP-0032
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
                                      Query Match
Best Local Similarity 100.
Matches 5; Conservative
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Best Local Similarity 100.
Matches 5; Conservative
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MOLECULE TYPE: peptide
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US-08-303-569B-22
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Retent No. 589205

GENERAL INFORMATION:
APPLICANT: Adair, John R.
APPLICANT: Emtage, John R.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
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ZIP: 19103

COMPUTER LEADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/303,569B
FILING DATE: 07-SEP-1994
CLASSIFTCATION:
ATTORNEY/AGENT INFORMATION:
NAME: Truiillo, Doreen Yarko
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0032
FELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3439
INFORMATION POR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acide
                                 MEDIUM TYPE: Floppy disk Computible COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible COFFWARE: Patentin Release #1.0, Version #1.25 SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/303,569B FLING DATE: 07-SEP-1994 CLASSIFICATION: ATTORNEY/AGENT INFORMATION: ATTORNEY/AGENT INFORMATION: ARECOMMUNICATION NUMBER: CARP-0032 TELEPHONE: (215) 568-3100 TELEPHONE: (215) 568-3100 TELEFAX: (215) 568-3439 INFORMATION FOR SEQ ID NO: 21: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 119 amino acids
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Best Local Similarity 100.
Matches 5, Conservative
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MOLECULE TYPE: peptide
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MOLECULE TYPE: peptide
                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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linear
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STATE: PA
COUNTRY:
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100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19; ive 0; Mismatches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION DATA:
CLASSIFICATION NUMBER: US/08/070,116A
FILING DATE: 01-JUN-1993
CLASSIFICATION NUMBER: 37,259
REFREENCY AGENT INFORMATION:
NAME: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REFREENCE/DOCKET NUMBER: 37,259
REFREENCE/DOCKET NUMBER: ARCD:082
TELECHONE: (512) 418-3000
TELECHONE: (512) 418-3000
TELECHONE: (512) 418-3000
TELECHONE: (512) 418-3000
TELECHONE: (512) 474-7577
INFORMATION FOR SEQ 10 NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            United States of America
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 10, Application US/08070116A Patent No. 5885573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
   LENGTH: 119 amino acids
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Best Local Similarity lov.
                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                 ; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-303-569B-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , MOLECULE TYPE: protein US-08-070-116A-10
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STRANDEDNESS: si
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STATE: Te
COUNTRY:
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APPLICANT: Adair, John R.
APPLICANT: Athwal, Diljeet S.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19;
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COUNTRY: USA

ZIP: 19103

COUNTRY READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/303,569B

FLING DATE: 07-SEP-1994

CLASSIFICATION:

ATTONEY/AGENT INFORMATION:

NAME: TTU11110, Doreen Yatko

REGISTRATION NUMBER: 35,719

REGISTRATION NUMBER: 35,719

TELECOMUNICATION INFORMATION:

TELECOMUNICATION INFORMATION:

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TELECOMUNICATION IN
                                                                                                   COUNTRY: USD.

ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/303,569B
FILING DATE: 07-SEP-1994
CLASSIFICATION:
ATTORNEY AGENT INFORMATION:
NAME: TTulillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0032
TELEPHONE: (215) 568-3100
TELEPAX: (215) 568-3100
TELEPAX: (215) 568-3100
TELEPAX: (215) 568-3109
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
FENCTH: 119 andino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30, Application US/08303569B Patent No. 5859205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : 119 amino acids
amino acid
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Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
                                 Philadelphia
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US-08-303-569B-30
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GENERAL INFORMATION:
APPLICANT: Zivin, Robert A.
APPLICANT: Zivin, Robert A.
TITLE OF INVENTION: Methods and Materials For Modulation
TITLE OF INVENTION: Methods and Materials For Modulation
TITLE OF INVENTION: Of the Immuno-suppressive Activity and
TITLE OF INVENTION: Toxicity of Monoclonal Antibodies
CORRESPONDENCE ADDRESS:
ADDRESSEE: ALOUGH White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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Gaps
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US-08-070-116A-14

| Sequence 14, Application US/08070116A
| Patent No. 5885573
| GENERAL INFORMATION:
| APPLICANT: Zivin, Robert A. APPLICANT: Zivin, Robert A. APPLICANT: Zivin, Robert A. TITLE OF INVENTION: Methods and Materials For Modulation TITLE OF INVENTION: Methods and Materials For Modulation TITLE OF INVENTION: Of the Immuno-suppressive Activity and TITLE OF INVENTION: Toxicity of Monoclonal Antibodies
| NUMBER OF SEQUENCES: 18 | CONRESPONDENCE ADDRESSE: AAROLG, White & Durkee STREET: P.O. Box 4433 | CITY: Houston STATE: Texan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFWARE: Wordberfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/070,116A
FILLING DATE: 01-JUN-1993
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Wilson, Mark B:
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: ARCD:082
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 414-7577
INFORMATION FOR SEQ ID NO: 14:
                                         AFFLING DATE: 01-0TN-193
CLASSIFICATION NUMBER: 05-0TO VILLARS
TORNEY AGENT INFORMATION:
NAME: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REGISTRATION NUMBER: 37,259
RECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-1000
TELEPHONE: (512) 474-77
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
TYPE: amino acid
TYPE: amino acid
                         US/08/070,116A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: Texas
COUNTRY: United States of America
ZIP: 77210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: protein
                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
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APPLICANT: Zivin, NCCCT APPLICANT: Jolliffe, Linda K.
APPLICANT: Jolliffe, Linda K.
APPLICANT: Bluestone, Jeffrey A.
TITLE OF INVENTION: Methods and Materials For Modulation
TITLE OF INVENTION: of the Immuno-suppressive Activity and
TITLE OF INVENTION: Toxicity of Monoclonal Antibodies
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSE: ALOJ, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 13. Application US/08070116A
Fatent No. 5885573
GENERAL INFORMATION:
APPLICANT: Zivin, Robert A.
APPLICANT: Diliffe, Linda K.
APPLICANT: Bluestone, Jeffrey A.
TITLE OF INVENTION: Methods and Materials For Modulation
TITLE OF INVENTION: Of the Immuno-suppressive Activity and
TITLE OF INVENTION: Toxicity of Monoclonal Antibodies
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
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                                                                                                                                                                                                                                                                                                            STREEL: F.C.

CITY: Houston
STATE: Texas

COUNTRY: United States of America
ZIP: 77210

COMPUTER: TAND STATE:
COMPUTER: TAND TO COMPUTER: TO COMPUTE
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COUNTRY: United States of America
ZIF: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31 RYTMH 35
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US-08-070-116A-13
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Sequence 14, Application US/08116247

Sequence 14, Application US/08116247

Patent No. 5929212

GENERAL INFORMATION:
APPLICANT: Joiliffe, Linda K.
APPLICANT: Zivin, Robert A.
APPLICANT: Zivin, Robert A.
APPLICANT: Admair, John R.
APPLICANT: Admair, John R.
APPLICANT: Admair, John R.
APPLICANT: Admair, John R.
APPLICANT: Admair, Diljeet S.
TITLE OF INVENTION: CD3 Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCES: 29
CORRESPONDENCES: 4000COCK Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
               ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Paintin, Francis A.
REGISTRATION NUMBER: 19,386
REGISTRATION NUMBER: 19,386
REEEPHOLE/DOCKET NUMBER: CARP-0011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            : 119 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-116-247-13
  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31 RYTMH 35
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                                                                                 STATE: PA
COUNTRY: US
ZIP: 19103
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                                                                                                                                 Sequence 12, Application US/08116247

Sequence 12, Application US/08116247

Patent No. 5929212

** APPLICANT: OJ11ffe, Linda K.

APPLICANT: Adair, John R.

APPLICANT: Athwal, Dilject S.

TITLE OF INVENTION: CD3 Specific Recombinant Antibody

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris

STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA
                        Gaps
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                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
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Patent No. 5529212
GENERAL INFORMATION
APPLICANT: Zivin, Robert A. APPLICANT: Adair, John R. APPLICANT: Adair, John R. APPLICANT: Athwal, Diljeet S. TITLE OF INVENTION: CD3 Specific Recombinant Antibody NUMBER OF SEQUENCES: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
  Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
CLASSIPICATION: 435
RICOR APPLICATION 10 DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-0CT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Paintin, Francis A.
REGISTRATION NUMBER: 19,386
REFERNICE/DOCKET NUMBER: 23,000
TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BIB PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 119 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100..
                     5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-116-247-12
Best Local Similarity
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31 RYTMH 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31 RYTMH 35
                                                               1 RYTMH 5
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US-08-116-247-13
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                     Matches
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31 RYTMH 35
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                           1 RYTMH 5
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STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%; Pred. No. 56;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 30; DB 4; Length 119; 100.0%; Pred. No. 56; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 23, Application US/10704352
Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Addir, John R.
Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-Nov-2003
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-NAY-1997
ATTORNEY/AGENT INFORMATION:
                  REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                           TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-704-352-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-704-352-23
REGISTRATION NUMBER: 35,719
                                                                                 TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 23 SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
                                                                                                                                                                           TYPE: amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches '5, Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 19103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: PA
                                                                                                                                                                                                                                                                                                                                                                                                                                     31 RYTWH 35
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US-10-704-352-23
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Gaps

Indels

Conservative

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Sequence 24, Application US/10704352
Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
Emtage, John S.
Entage, John S.
CORRESPONDENCES: 30
CORRESPONDENCE 30
CORRESPONDENCE ADDRESS:
ADDRESSE:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & Norris STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-Nov-2003
CLASSIFICATION: «Unknown»
PRIOR APPLICATION: «Unknown»
APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-F88-2001
APPLICATION NUMBER: 08/09/795,515
FILING DATE: 01-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Search completed: December 14, 2005, 07:37:50 Job time : 23.931 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-10-704-352-24
                                                                                                                                                                                                                                                                                                                     ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (215) 568-31
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 119 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                        CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                               STATE: PA
COUNTRY: USA
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Gaps
                                                                                                                                                                                                          APPLICANT: JOILIFE, Linda K.
APPLICANT: JOILIFE, Linda K.
APPLICANT: Join, Robert A.
APPLICANT: John R.
APPLICANT: Adair, John R.
APPLICANT: Athwal, Diljeet S.
TITLE OF INVENTION: CD3 Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17, Application US/08116247

Patent No. 5929212

GENERAL INFORMATION

APPLICANT: Zivin, Robert A.

APPLICANT: Athwal, John R.

APPLICANT: Athwal, Dispecsific Recombinant Antibody

TITLE OF INVENTION: CD3 Specific Recombinant Antibody

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris

STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 10-OCT-1991
MATTORNEY/AGENT INFORMATION:
NAME: PAINTIN, FRANCIS A.
REFERENCE/DOCKET NUMBER: 19,386
REFERENCE/DOCKET NUMBER: CARP-0011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3100
TELEFAX: (215) 568-3100
TELEFAX: (215) 568-3100
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/743,377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                      Sequence 16, Application US/08116247; Patent No. 5929212; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1: 119 amino acida
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-116-247-16
                                             31 RYTWH 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31 RYTMH 35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-116-247-17
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                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INCRMATION:
APPLICANT: Joiliffe, Linda K.
APPLICANT: Joiliffe, Linda K.
APPLICANT: Joiliffe, Linda K.
APPLICANT: Adair, John R.
APPLICANT: Adair, John R.
TITLE OF INVENTION: CD3 Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
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                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 19103
COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                  NAME: Paintin, Francis A.

REGISTRATION NUMBER: 19,386
REFERENCE/DOCKET NUMBER: CARP-0011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3199
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-116-247-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Paintin, Francis A.
REGISTRATION NUMBER: 19,386
REPRENCE/DOCKET NUMBER: CARP-0011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFK: (215) 568-3439
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 15, Application US/08116247
Patent No. 5929212
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : 119 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100..
Si Conservative
                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                    31 RYTMH 35
                                                                                                                                                                                                                                                                                                                                                                                                                       1 RYTMH 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-116-247-15
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Gaps
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Sequence 19, Application US/08116247

Patent No. 5929212

GENERAL INFORMATION:
APPLICANT: Joinffee, Linda K.
APPLICANT: Achair, John R.
APPLICANT: Achwal, Dilject S.
ITILE OF INVENTION: CD3 Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STREET: Achair Paid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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100.0%; Score 30; DB 1; Length 119;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                     100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-0CT-1991
ATTORNEY/AGENT INFORMATION:
NAME: PAINTIN, Francis A.
REGISTAATION NUMBER: 19,386
REFERENCE/DOCKET NUMBER: CARP-0011
TELECOMMUNICATION INFORMATION:
TELEFAX: (215) 568-3100
TELEFAX: (215) 568-3100
TELEFAX: (215) 568-3100
TELEFAX: (215) 568-3100
TELEFAX: (215) 568-3100
SEQUENCE CHARACTERISTICS:
  REFERENCE/DOCKET NUMBER: CARP-0011
                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : 119 amino acids
amino acid
                                                                                                                                                                                                                                                                        Query Match 100.
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                        TOPOLOGY: linear;
; MOLECULE TYPE: peptide
US-08-116-247-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , MOLECULE TYPE: peptide US-08-116-247-19
                                                                                                                                                                                                                                                                                                                                                                                                          31 RYTMH 35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 31
US-08-116-247-19
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Patent No. 5929212
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Zivin, Robert A.
APPLICANT: Athwal, John R.
APPLICANT: Athwal, John R.
APPLICANT: Athwal, John R.
APPLICANT: APPLICANT: COS Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                              PILING DATE:

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/743,377

FILING DATE: 10-0CT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Paintin, Francis A.

REGISTRATION NUMBER: 19,386

REFERENCE/DOCKET NUMBER: CARP-0011

TELEPHON: (215) 568-3100

TELEPHON: (215) 568-3100

TELEPAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 119 amino acids

TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Paintin, Francis A.
REGISTRATION NUMBER: 19,386
                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-116-247-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Philadelphia
STATE: PA
Philadelphia
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                                                                 19103
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US-08-116-247-18
                       STATE: P
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us-08-116-247-22

i) Sequence 22, Application US/08116247

j) Patcht UN. 5923212

j) Sequence 22, Application US/08116247

j) Patcht UN. 5923212

j) APPLICANT: Joiniffe, Linda K.

j) APPLICANT: Adair, John R.

j) APPLICANT: Athwal, Diljeet S.

j) TITLE OF INVENTION: CD3 Specific Recombinant Antibody

NUMBER OF SEQUENCES: 29

j) CORRESPONDENCE ADDRESS:

j) ADDRESSE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris

j) STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA

COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 30; DB 1; Length 119; 100.0%; Pred. No. 19; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:

WEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: ISP PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 19,386
REFERENCE/DOCKET NUMBER: 19,386
REFERENCE/OCKET NUMBER: 19,386
REFERENCE/OCKET NUMBER: CARP-0011
TELECOMMULICATION INFORMATION:
TELEPHONE: (215) 568-3100
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                    FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATE:
PLING DATE: 10-0CT-1991
ATTORNEY/AGENT INFORMATION:
NAME: PAINTIN FORMATION:
NAME: PAINTIN FORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3109
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TTPE: amino acids
TTPE: amino acids
TTPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity luv...
5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; MOLECULE TYPE: peptide US-08-116-247-21
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                                                                                                                                APPLICANT: Joiliffe, Linda K.
APPLICANT: Joiliffe, Linda K.
APPLICANT: Zivin, Robert A.
APPLICANT: Adair, John R.
APPLICANT: Adair, John R.
APPLICANT: Athwal, Diljeet S.
TITLE OF INVENTON: COS Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Joiliffe, Linda K.
APPLICANT: Joiliffe, Linda K.
APPLICANT: Zivin, Robert A.
APPLICANT: Advar. Adair, John R.
APPLICANT: Athwal, Dillet S.
TITLE OF INVENTION: CD3 Specific Recombinant Antibody
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATE:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: PAINEIN, FYANCIS A.
REGISTRATION NUMBER: 19,386
REFERENCE/DOCKET NUMBER: CARP-0011
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                  Sequence 20, Application US/08116247
Patent No. 5929212
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21, Application US/08116247
Patent No. 5929212
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : 119 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31 RYTMH 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 RYTMH 5
                                                                                                                                                                                                                                                                                                                                                                        STATE: P!
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                             US-08-116-247-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-116-247-20
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TOPOLOGY:
                       US-08-116-247-24
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                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23, Application US/08116247
; Retent No. 5229212
; GENERAL INFORMATION:
    APPLICANT: Joiliffe, Linda K.
    APPLICANT: Zivin, Robert A.
    APPLICANT: Adair, John R.
    APPLICANT: Adair, John R.
    APPLICANT: Adair, John R.
    APPLICANT: Athwal. Diljeet S.
    TITLE OF INVENTION: CD3 Specific Recombinant Antibody
    NUMBER OF SEQUENCES: 29
    CORRESPONDENCE ADDRESS:
    CORRESPONDENCE ADDRESS:
    STREET: One Liberty Place - 46th Floor
    CITY: Philadelphia
    STAFF: DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ô
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                                                                                                                                                                                                     Query Match 100.0%; Score 30; DB 1; Length 119; Best Local Similarity 100.0%; Pred. No. 19; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Paintin, Francis A.
REGISTRATION NUMBER: 19,386
REFERENCE/DOCKET NUMBER: CARP-0011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acids
TYPE: amino acids
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
ATTORNEY/AGENT INFORMATION:
INFORMATION FOR SEQ ID NO: 22: SEQUENCE CHARACTERISTICS: LENGTH: 119 amin 177PF
                                          TYPE: amino acida
TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
                                                                                                                                          ; MOLECULE TYPE: peptide US-08-116-247-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , MOLECULE TYPE: peptide US-08-116-247-23
                                                                                                                                                                                                                                                                                                                             31 RYTMH 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31 RYTWH 35
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                                                                                                                                                                                                                                                                                                                                                                                       RESULT 35
US-08-116-247-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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RESULT 36

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Sequence 24, Application US/08116247

Sequence 24, Application US/08116247

Patent No. 5929212

GENERAL INFORMATION:

APPLICANT: 21vin, Robert A.

APPLICANT: 21vin, Robert A.

APPLICANT: Adair, John R.

APPLICANT: Athwal, Diljeet S.

TITLE OF INVENTION: CD3 Specific Recombinant Antibody

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris

STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA

COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              B: Woodcock Wasburn Kurtz Mackiewicz & No. 5929212ris
One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-116-247-25
US-08-116-247-25
Patent No. 25/2012
Patent No. 25/2012
GENERAL INFORMATION:
APPLICANT: Joinfffe, Linda K.
APPLICANT: Zivin, Robert A.
APPLICANT: Adair, John R.
APPLICANT: Athwal, Diljeet S.
TITLE OF INVENTION: CD3 Specific Recombinant Antibody NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPPY disk
MEDIUM TYPE: RIOPPY disk
COMPUTER: IBM PC compatible
COMPUTER: DATENTING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/743,377
FILING DATE: 10-OCT-1991
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19,386
IER: CARP-0011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Paintin, Francis A.
REGISTRATION NUMBER: 19,386
REFERENCE/DOCKET NUMBER: CARI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3139
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : 119 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; MOLECULE TYPE: peptide US-08-116-247-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: One Liberty
CITY: Philadelphia
STATE: PA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31 RYTMH 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RYTMH 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
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Patent No. 6491916

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Blueschne, Jeffrey A.
APPLICANT: Alvin, Robert A.
TITLE OF INVENTION: METHODS AND MATERIALS FOR MODULATION OF
TITLE OF INVENTION: ANTIBODIES
NUMBER OF SEQUENCES: 23
CORRESPONDENCES: Annold, White & Durkee
                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                100.0%; Score 30; DB 2; Length 119; 100.0%; Pred. No. 19; cive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/557,050

FILING DATE: CONCURRENTLY Herewith

CLASSIFICATION DATA:

APPLICATION NUMBER: PCT/US94/06198

FILING DATE: 01-UN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/070,116

FILING DATE: 01-UN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Wilson, Mark B.

REFERENCE/DOCKET NUMBER: 37,259

REFERENCE/DOCKET NUMBER: 37,259

REFERENCE/DOCKET NUMBER: 37,259

REFERENCE/DOCKET NUMBER: 37,259

REFERENCE/DOCKET NUMBER: 37,259

REFERENCE/DOCKET NUMBER: 37,259

REFERENCE/DOCKET NUMBER: 37,259

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
; INFORMATION FS. (512) 418-3000
; INFORMATION FOR SEQ ID NO: 10: SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acids
STRANDEDNESS:
TOPOLACY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPAONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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Sequence 10. Application US/08557050

Petent No. 6491916

GENERAL INFORMATION:
APPLICANT: Bluestone, Jeffrey A.
APPLICANT: Alvin, Robert A.
TITLE OF INVENTION: METHODS AND MATERIALS FOR MODULATION OF
TITLE OF INVENTION: THE IMMUNO-SUPPRESSIVE ACTIVITY AND TOXICITY OF MONOCLONAL
TITLE OF INVENTION: THE IMMUNO-SUPPRESSIVE ACTIVITY AND TOXICITY OF MONOCLONAL
TITLE OF INVENTION: THE IMMUNO-SUPPRESSIVE ACTIVITY AND TOXICITY OF MONOCLONAL
TITLE OF INVENTION: THE IMMUNO-SUPPRESSIVE ACTIVITY AND TOXICITY OF MONOCLONAL
TITLE OF INVENTION: 4433

COMPRESS: Annoted, White & Durkee
STREET: P.O. Box 4433

COMPTER: Texas

COMPTER: Texas

COMPTER: TEXAS

SOFTWARE: PARENTIN Release

COMPUTER: IBM PC Compatible
COMPUTER: BALDALE FORM:
MEDIUM TYPE: PLOSPY disk
COMPUTER: PARENTIN Release

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                                                                                     SOFTAMENE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,247
                                                                                                                                                                                              FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/743,377

FILING DATE: 10-0CT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Paintin, Francis A.
REGISTRATION NUMBER: 19,386
REFERENCE/DOCKET NUMBER: 19,386
RELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENOTH: 119 amino acids
TYPE: amino acid
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REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: ARCD:208
FELECOMMUNICATION INFORMATION:
                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Best Local Similarity luv.
5, Conservative
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; MOLECULE TYPE: peptide
US-08-116-247-25
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US-08-557-050-13

Sequence 13, Application US/08557050

Fatent No. 6491916

GENERAL INFORMATION:
APPLICANT: Bluestone, Jeffrey A. APPLICANT: Julia K. APPLICANT: Julia K. APPLICANT: Bluestone, Jeffrey A. APPLICANT: Juliffe, Linda K. TITLE OF INVENTION: METHODS AND MATERIALS FOR MODULATION OF TITLE OF INVENTION: ANTIBODIES
NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:
ADDRESSEE: AROLd, White & Durkee
STREET: P.O. Box 4433
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                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: F.C. BOATTLE.
CITY: Houston
STATE: Texas
COUNTRY: U.S.
ZIP: 77210
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ZIP: 77210
COMPUTER: Eloppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: PAPLICATION NUMBER: US/08/557,050
FILING DATE: CONCURTENTLY HETEWITH
CLASSIFICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: US/08/070,116
FILING DATE: 01-JUN-1994
PRIOR APPLICATION NUMBER: US 08/070,116
FILING DATE: 01-JUN-1993
ATTORNEY/AGENT INFORMATION:
NUMBER: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: ARCD:208
TELEFRAN: (512) 414-7577
INFORMATION FOR SEQ ID NO: 13: SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
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TYPE: amino acid
STRANDEDNESS:
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                                                                                       RESULT 1
US-09-267C-1
is Sequence 1, Application US/09920267C
is Sequence 1, Application US/09920267C
is Sequence 1, Application No. US20030040044A1
is GENERAL INFORMATION:
is APPLICANT: Caltes-Komar, Jill
APPLICANT: Trikha, Mohit
is APPLICANT: Shyder, Linda
is APPLICANT: Shyder, Linda
is APPLICANT: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REFERENCE: CEN 249
is CURRENT APPLICATION NUMBER: US/09/920,267C
CURRENT FILING DATE: 2001-08-01
is PRIOR FILING DATE: 2001-08-01
is PRIOR FILING DATE: 2000-08-07
is NUMBER OF SEQ ID NOS: 17
is SOFTWARE: Patentin version 3.1
is ESC ID NO 1
is ESC ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JUGANT: COLOCOT, Inc.

ANT: Trikha, Mohit

ANT: Trikha, Mohit

ANT: Sinyder, Linda

ANT: Nakada, Marian

'INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES

FERENCE: CEN 249 CIPNP

I APPLICATION NUMBER: US/10/720,323

A RAPLICATION NUMBER: 60/223,363
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                                    ALIGNMENTS
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US-10-720-323-1
, Sequence 1, Application US/10720323
, Publication No. US20040185507A1
, ZENBRAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MBER OF SEQ ID NOS: 17
)FTWARE: Patentin version 3.1
og ID NO 1
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Best Local Similarity 100.
Matches 5, Conservative
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US-09-920-267C-1
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ORGANISM: Homo sapiens
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RESULT 3 US-10-954-900A-1

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US-10-424-599-246908

US-10-424-599-246908

Sequence 246908, Application US/10424599

Publication No. US2004003107241

GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21 (53223) B
CURRENT APPLICATION NUMBER: US/10/424,599

UNMBER OF SEQ ID NOS: 285684

SEQ ID NO 246908

LENTH: 71

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PUBLICANIE OF NO. US20050123541A1
GENERAL INPORMATION:
APPLICANT: Giles-Komar, Jill
APPLICANT: Giles-Komar, Jill
APPLICANT: David Shealy
APPLICANT: David Knight
APPLICANT: Barnie Scallon
APPLICANT: George Heavner
TITLE OF INVENTION: ANTI-TIVF ANTIBODIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: CENDOZSO DIV-2
CURRENT APPLICATION NUMBER: US/10/954,900A
CURRENT FILING DATE: 2004-09-30
PRIOR APPLICATION NUMBER: 60/223,360
PRIOR APPLICATION NUMBER: 60/223,360
PRIOR PLING DATE: 2000-08-07
PRIOR PLING DATE: 2000-09-09
PRIOR PLING DATE: 2000-09-09
PRIOR PLING DATE: 2000-09-09
PRIOR PLING DATE: 2000-09-09
PRIOR PLING DATE: 2000-09-09
PRIOR PLING DATE: 2000-09-09
PRIOR PLING DATE: 2000-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver 3.1
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US-10-424-599-246908
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'Sequence 223, Application US/10803622

'Publication No. US20040157214A1

'GENERAL INFORMATION:

'APPLICANT: Cambridge Antibody Technology
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 5; Conservative
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; ORGANISM: Homo sapiens
US-10-954-900A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Glycine max
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PAPLICANT: Minchy Timothy Timothy Timothy Timothy TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs TITLE OF INVENTION: Methods for Producing Members of String Reference: 1889-00013 CURRENT APPLICATION NUMBER: GB 9015198.6 PRIOR PLICATION NUMBER: GB 9015198.6 PRIOR FILING DATE: 1990-07-10 PRIOR PLICATION NUMBER: GB 9022845.3 PRIOR APPLICATION NUMBER: GB 9022845.3 PRIOR APPLICATION NUMBER: GB 902450.6 PRIOR FILING DATE: 1990-10-19 PRIOR PLICATION NUMBER: GB 902450.6 PRIOR PLICATION NUMBER: GB 910474.9 PRIOR PLICATION NUMBER: GB 910474.9 PRIOR PLICATION NUMBER: GB 9110549.4 PRIOR FILING DATE: 1991-05-15 PRIOR PLICATION NUMBER: US 97/971,857 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR FILING DATE: 1993-01-06 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION NUMBER: US 98/484,893 PRIOR PLICATION PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR
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Publication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Achwal, Dilject S.
APPLICANT: Emtage, John R.
TITLE OF INVENTION: Humanised Antibodies
INVERSPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645A1ris
STREET: One Liberty Place - 46th Floor
CONTRESSEE: PAA
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 5; Conservative
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## APPLICANT: Winter, Timochy
## APPLICANT: Winter, Timochy
## APPLICANT: Bonert, Timochy
## APPLICANT: Bonert, Timochy
## TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs
## FILE REFERENCE: 13839-00013
## CURRENT APPLICATION NUMBER: US/10/803,622
## CURRENT APPLICATION NUMBER: GB 9015198.6
## PRIOR PILING DATE: 1990-07-10
## PRIOR PRILING DATE: 1990-10-19
## PRIOR PELING DATE: 1990-10-19
## PRIOR APPLICATION NUMBER: GB 9022845.3
## PRIOR PELING DATE: 1990-11-12
## PRIOR PELING DATE: 1990-11-12
## PRIOR PELING DATE: 1990-11-12
## PRIOR PELING DATE: 1991-03-06
## PRIOR PELING DATE: 1991-03-06
## PRIOR PELING DATE: 1991-05-15
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## PRIOR PELING DATE: 1991-07-10
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## PRIOR PELING DATE: 1991-07-10
## PRIOR PELING DATE: 1991-05-16
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APPLICANT: Cambridge Antibody Technology Limited
APPLICANT: Medical Research Council
APPLICANT: McCafferty, John
APPLICANT: Pope, Anthony
APPLICANT: Pope, Anthony
APPLICANT: Johnson, Kevin
APPLICANT: Griffiths, Andrew
APPLICANT: Holgen, Kasper
APPLICANT: Holliger, Kasper
Cambridge Antibody Technology Limited
Medical Research Council
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Publication No. US20040157215A1
GENERAL INFORMATION:
                                                                                                                                                                                                   Hoogenboom, Hendricus
Griffiths, Andrew
Jackson, Ronald
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ORGANISM: Artificial Seguence
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Chiswell, David
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Chiswell, David
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Marks, James
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Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                        Pope, Anthony
Johnson, Kevin
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31 RYTMH 35
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119 amino acids
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Best Local Similarity 100.
Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFICATION:
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      31 RYTMH 35
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                                                             RESULT 9
US-09-795-515-13
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Publication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Athwal, Diljeet S.
APPLICANT: Emtage, John R.
APPLICANT: Lemtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645A1ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
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100.0%; Score 30; DB
Best Local Similarity 100.0%; Pred. No. 56;
Matches 5; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                0; Mismatches
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFRENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doceen Yarko
REGISTATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (215) 568-3100
TELEPAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 119 amino acids
TYPE: amino acid
                                                                                                                                                                    : 119 amino acids
amino acid
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Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                        TOPOLOGY: linear

MOLECULE TYPE: peptide
US-09-795-515-11
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                                                                                                                                                                    LENGTH:
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PREMIT 9

**SECTION OF 199-515-11

**SECTION OF 199-515-11

**SECTION OF 199-515-11

**APPLICANT: AMAIT. OBM. THORNATION:

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**APPLICANT: AMAIT. OBM. THORNATION:

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**APPLICANT: AMAIT. OBM. THORNATION:

**APPLICANT: AMAIT. OBM. THORNATION:

**APPLICANT: TELECOMMUNICANTION:

**APPLICANT: TELECOMMUNICANTION:

**APPLICANT: TELECOMMUNICANTION:

**APPLICANT: TELECOMMUNICANTION:

**APPLICANT: TELECOMMUNICANTION:

**APPLICANT: AMAIT. OBM. THORNATION:

**APPLICANT: TELECOMMUNICANTION:

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**APPLICANTION: THORNATION:

**APPLICANT: TELECOMMUNICANTION:

**APPLICANTION: TELEGOMMUNICANTION:

**APPLICANTION:
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Sequence 16, Application US/09795515
Publication No. US20030039645A1
GENERAL INPORMATION:
APPLICANT: Athwal, Diljeet S.
APPLICANT: Entage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
APPLICANT Athwal, Diljeet S.
TITLE OF LINENTION: Humanised Antibodies
STREEF: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645A1ris
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY AGENT INFORMATION:
NAME: TRUJILIO, DOTEON TALE
NAME: TRUJILIO, DOTEON TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100...
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Best Local Similarity 100.
Matches 5; Conservative
             SEQUENCE CHARACTERISTICS
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                                             119 amino
                                                                                                            linear
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USA
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                                          LENGTH: 119 ar
TYPE: amino
TOPOLOGY: lin
US-09-795-515-15
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US-09-795-515-17
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Publication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Admai, John R.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645A1ris
STREET: One Liberty Place - 46th Floor
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
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PRIOR APPLICATION:
PRIOR APPLICATION DATA:
PPLICATION NUMBER: 08/846,658
FILLING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: TRIJLING, DOTEEN YAGEN
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acids
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (215) 568-3100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerry Match
Best Local Similarity 100...
S; Conservative
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MOLECULE TYPE: peptide
US-09-795-515-14
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US-09-795-515-15
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STATE: PA
COUNTRY:
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Sequence 19, Application US/09795515
Sequence 19, Application US/09795515
Publication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Adair, John S.
APPLICANT: Entage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645Alris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 30; DB 3; Length 119; 100.0%; Pred. No. 56; ive 0; Mismatches 0; Indels
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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
FILING DATE:
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE:
APPLICATION NUMBER: 108/846,658
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REPERRATION NUMBER: 35,719
REPERRATION NUMBER: 35,719
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEG 36 3100
TELEBRACE (215) 568 3100
TELEBRACE CHARACTERISTICS:
SEQUIENCE CHARACTERISTICS:
TENERAL 119 amino and and application of the party of a party 
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELECOMMUNICATION INFORMATION:
TELEPAN: (215) 568-3100
TELEPAN: (215) 568-3439
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acids
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COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TOPOLOGY: li-
TOLECTITE
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Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , MOLECULE TYPE: peptide US-09-795-515-18
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Publication No. US2003003645A1
GENERAL INFORMATION:
APPLICANT: Addir, John R.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: OCRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645A1ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
                                 APPLICANT: Athwal, Diljeet S.
APPLICANT: Emtage, John S.
TITE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: OCRRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645Alris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER:
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                             ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
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amino acid
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Best Local Similarity 100.
Matches 5; Conservative
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                APPLICANT:
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Sequence 22, Application US/09795515
Sequence 22, Application US/09795515
Publication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Adalt. John S.
APPLICANT: Entage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645Alris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STREET: PASSES OF AUGUST
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COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: TROMPY Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
      STREET: One Liberty Place - 46th Floor CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: TUTJIIO, DOTEEN YERKO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAX: (215) 568-3439
INFORMATION FOR SEO ID NO: 21:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
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REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  119 amino acids
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Best Local Similarity 100.
Matches 5; Conservative
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MOLECULE TYPE: peptide

US-09-795-515-21
                                                                                                                         ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31 RYTMH 35
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APPLICANT: Athwal, Diljeet S.
APPLICANT: Emtage, John S.
APPLICANT: Emtage, John S.
APPLICANT: Emtage, John S.
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645Alris
STREET: One Liberty Place - 46th Floor
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Publication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Athwal, Diljeet S.
APPLICANT: Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645A1ris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                    0; Indels
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COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
   red. No. 56;
Mismatches
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CLASSIFICATION
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTONEY/ABORT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
100.0%; Pred. No. tive 0; Mismatc
                                                                                                                                                                                                                                                                               US-09-795-515-20
; Sequence 20, Application US/09795515
; Publication No. US20030039645A1
; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 5; Conservative
Best Local Similarity 100.
Matches 5; Conservative
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31 RYTMH 35
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Publication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Athwal, Diljeet S.
APPLICANT: BELGAGE, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645Alris
STREET: One Liberty Place - 46th Floor
COUNTRY: USA
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                                                                                                                                                                                                                                                                        100.0%; Score 30; DB 3; Length 119; 100.0%; Pred. No. 56; 0; Mismatches 0; Indels
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ZIP: 19103

COMPUTER READABLE FORM:

WEDLUM TYPE: Floppy disk

COMPUTER: ISM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOSTWARR: PATENTIN Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

RELIGING DATE:

FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIPICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
1 FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujilo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3100
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TELEPHONE: (215) 568-3100
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
                                                                                                                                                                                                   MOLECULE TYPE: peptide US-09-795-515-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
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Best Local Similarity
Matches 5; Conserv
                                                                                                                                                              TYPE: amino aci
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Sequence 24, Application US/09795515
Fublication No. US20030039645A1
GENERAL INFORMATION:
APPLICANT: Advalt, John R.
APPLICANT: Entage, John S.
TITLE OF INVENTION:
HUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & No. US20030039645A1ris
STARET: One Liberty Place - 46th Floor
CITY: Philadelphia
STARET: PA
COUNTRY: USA
ZIP: 19103
COMPUTER: READABLE FORM:
MEDIUM TYPE: FIOPPY disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
COMPUTER: IBM PC COMPATIBLE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Pred. No. 56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/795,515

FILING DATE:

CLASSIFICATION DATA:

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

ATORNEY AGENT INFORMATION:

NAME: TAUJILO, NUMBER: 08/46,658

FILING DATE: 01-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: TAUJILO, NUMBER: 28/719

REFERENCE/DOCKET NUMBER: CARP-0057

TELEPHONE: (215) 568-3439

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 119 anino acids

TYPE: amino acids

TYPE: amino acids
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Sequence 30, Application US/09795515

Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, Sequence 30, S
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0; Mismatches
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Best Local Similarity 100.
Matches 5; Conservative
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; MOLECULE TYPE: peptide
US-09-795-515-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31 RYTMH 35
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APPLICANT: JOLLIFPE, LINDA K.

TITLE OF INVENTION: METHODS AND MATERIALS FOR MODULATION OF THE
TITLE OF INVENTION: METHODS AND MATERIALS FOR MODULATION OF THE
TITLE OF INVENTION: ANTIBODIES
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: TOLT:00408C1
CURRENT APPLICATION NUMBER: US/10/267,286A
CURRENT PILING DATE: 1994-06-01
PRIOR APPLICATION NUMBER: 08/57,050
PRIOR FILING DATE: 1994-06-01
PRIOR FILING DATE: 1994-06-01
PRIOR FILING DATE: 1994-06-01
PRIOR FILING DATE: 1994-06-01
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| Sequence 12, Application US/10267286A
| Publication No. US20030108548A1
| GENERAL INFORMATION:
| APPLICANT: BLUESTONE, JEFFREY A. APPLICANT: ZIVIN, ROBERT A. APPLICANT: JULIFFE, LINDA K. TITLE OF INVENTION: METHODS AND MATERIALS FOR MODULATION OF THE TITLE OF INVENTION: MATIBODIES TITLE OF INVENTION: MATIBODIES TITLE OF INVENTION: MATIBODIES TITLE OF INVENTION: MATIBODIES TITLE OF INVENTION: MATIBODIES TILLE OF INVENTION: MURBER: US/10/267,286A
| CURRENT APPLICATION NUMBER: US/10/267,286A
| CURRENT FILING DATE: 1998-10-09 |
| PRIOR APPLICATION NUMBER: OR/57,050 |
| PRIOR APPLICATION NUMBER: OR/50/016 |
| PRIOR FILING DATE: 1994-06-01 |
| PRIOR FILING DATE: 1993-06-01 |
| NUMBER OF SEQ ID NOS: 23 |
| SOFFWARE: PATENTI VET 12 |
| SEQ ID NO 12 |
| LENGTH: 1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: Peptide
US-10-267-286A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: Peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 30; DB 4; Length 119; 100.0%; Pred. No. 56;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31 RYTMH 35
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Publication No. US2003004004A1
GENERAL INFORMATION:
GAPLICANT: Gales-Komar, Jill
APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Snyder, Linda
APPLICANT: Snyder, Linda
APPLICANT: Snyder, Linda
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REPREBENCE: CED 249
CURRENT APPLICATION NUMBER: 60/223,363
FRIOR APPLICATION NUMBER: 60/223,363
FRIOR FILING DATE: 2001-08-01
FRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
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                                                OPERATING SYSTEM:
OPERATING SYSTEM:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
FILING DATE:
FLING DATE:
FLING DATE:
FLING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LUNFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LUNFORMATION ACIDE OF ACIDE 
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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amino acid
GY: linear
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Best Local Similarity 100.
- Matches 5; Conservative
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Best Local Similarity 100.
Matches 5; Conservative
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ORGANISM: Homo sapiens
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COMPUTER:
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                     Sequence 11, Application US/10704352
Publication No. US20040071693A1
GENERAL INFORMATION:
Athwal, Diljeet S.
BENERGE, John R.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
STREET: One Liberty Place - 46th Floor
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COMPUTER: INDEPTOR COMPUTER: INDEPTOR COMPUTER: INDEPTOR COMPUTER: INDEPTOR COMPUTER: INDEPTOR COMPUTER: INDEPTOR CONTRACTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Length 119;
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Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
APPLICANT: Adair, John R.
Emeage, John S.
Emeage, John S.
TITLE OF INVENTION: Humanised Antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB
56;
                                         Mismatches
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MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
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    Pred. No.
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TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 119 amino acids
100.08;
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SEQUENCE CHARACTERISTICS
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Best Local Similarity 100.
Matches 5; Conservative
                                         5; Conservative
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COUNTRY: US
ZIP: 19103
Best Local Similarity
                                                                                                                                                                                31 RYTMH 35
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US-10-704-352-12
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                                         Matches
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Bublication No. US2030108548A1

Bublication No. US2030108548A1

GENERAL INFORMATION:

APPLICANT: BLUESTONE, JEFFREY A.

APPLICANT: BLUESTONE, JEFFREY A.

APPLICANT: JOLLIFFE, LINDA K.

TITLE OF INVENTION: MATHODS AND MATERIALS FOR MODULATION OF THE

TITLE OF INVENTION: ANTIBODIES

FILE REFERENCE: TOUT:004USC1

TITLE OF INVENTION: ANTIBODIES

FILE REFERENCE: 10UT:004USC1

CURRENT APPLICATION NUMBER: 08/10/267,286A

CURRENT FILING DATE: 1990-10-09

PRIOR FILING DATE: 1990-10-09

PRIOR PLICATION NUMBER: 08/070,116

PRIOR PLICATION NUMBER: 08/070,116

PRIOR PLICATION NUMBER: 08/070,116

PRIOR FILING DATE: 1993-06-01

NUMBER OF SEQ ID NOS: 23

SOCIEMENT PLECHTING DATE: 1993-06-01

NUMBER OF SEQ ID NOS: 23

SEQ ID NO 13

LENGTH: 119
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| Sequence 14, Application US/20030108548A1
| Sequence 11, Application No. US20030108548A1
| SEGNERAL INPORMATION:
| APPLICANT: BLUESTONE, JEFFREY A. APPLICANT: JOLIFFE, LINDA K. TITLE OF INVENTION: MATHODS AND MATERIALS FOR MODULATION OF THE TITLE OF INVENTION: MATHODIES
| TITLE OF INVENTION: MATHODIES
| TITLE OF INVENTION: MATHODIES
| TITLE OF INVENTION: MATHODIES
| TITLE OF INVENTION: MATHODIES
| FILE REFERENCE: TOLT:004USC1
| CURRENT APPLICATION NUMBER: US/10/267, 286A |
| FILE REPRENCE: TOLT:004USC1
| CURRENT PAPLICATION NUMBER: US/57, 050 |
| PRIOR APPLICATION NUMBER: 08/57, 050 |
| PRIOR PELING DATE: 1994-06-01 |
| PRIOR FILING DATE: 1994-06-01 |
| PRIOR FILING DATE: 1933-06-01 |
| PRIOR FILING DATE: 1933-06-01 |
| SEQ ID NOS: 23 |
| SOFTWARE: PATENTING DATE: 1933-06-01 |
| SEQ ID NO 14 |
| TYPE: PRT |
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US-10-267-286A-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
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31 RYTMH 35
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Gaps
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STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 30; DB 4; Length 119; 100.0%; Pred. No. 56;
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MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARR: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-Nov-2003
CLASSIFICATION: AURNOWN>
PRIOR APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-PEB-2001
APPLICATION NUMBER: 08/646,658
FILING DATE: 01-MAY-1997
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Sequence 14, Application US/10704352

Publication No. US20040071693A1

GENERAL INFORMATION:

APPLICANT: Adair, John R.

ALhwal, Diljeet S.

Entage, John S.

TITLE OF INVENTION: Humanised Antibodies

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:
                      APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yarko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELEPHONE: (215) 569-3439
TELEFAX: (215) 569-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ELEFAX: (215) 568-3439
                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 13:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 119 amino
TYPE: amino acid
         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity luv...
5, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31 RYTMH 35
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Publication No. US20040071693A1
GENERAL INFORMATION:
Athwal, Diljeet S.
Entage, John R.
TITLE OF INVENTIONES: 30
CORRESPONDENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris STREET: One Liberty Place - 46th Floor
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris STREET: One Liberty Place - 46th Floor CITY: Philadelphia
STATE: PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
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                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-NOV-2003
CLASSIFICATION NUMBER: US/09/795,515
APPLICATION NUMBER: US/09/795,515
APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-704-352-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 119 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              568-3439
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ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                      ZIP: 19103
COMPUTER READABLE FORM:
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Best Local Similarity 100.
Matches 5; Conservative
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GENERAL INFORMATION
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                                                                          100.0%; Score 30; DB 4; Length 119; 100.0%; Pred. No. 56; ive 0; Mismatches 0; Indels
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CURRENT APPLICATION DATA:
APPLICATION UNBER: US/10/704,352
FILING DATE: 07-Nov-2003
CLASSIFICATION: <UNKnown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/646,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
                                                                                                                                                                                                                                                                                        Sequence 15, Application US/10704352
Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
Athwal, Diljeet S.
Entage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-704-352-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 32
US-10-704-352-16
; Sequence 16, Application US/10704352
; Publication No. US20040071693A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acid
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ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopp
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Best Local Similarity 100.
                                                                                              Best Local Similarity 100.
Matches 5; Conservative
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US-10-704-352-15
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                                                                                Query Match
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Sequence 17, Application US/10704352

Publication No. US20040071693A1

GENERAL INFORMATION: Adair, John R.

Athwal, Dilject S.

Emtage, John S.

TITLE OF INVENTION: Humanised Antibodies

NUMBER OF SEQUENCES:

ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris

STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA.
                                                                                                                                ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
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COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOGTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/704,352

FILING DATE: 07-NOV-2003

FILING DATE: 07-NOV-2003

PRIOR APPLICATION NUMBER: US/09/795,515

FILING DATE: 20-FEB-2001

APPLICATION NUMBER: 08/846,658

FILING DATE: 01-MAY-1997

ATTORNY/AGENT INFORMATION:

NAME: Trujillo, Doreen Yatko

REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 30; DB 4; Length 119; 100.0%; Pred. No. 56;
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                                                                 TITLE OF INVENTION: Humanised Antibodies NUMBER OF SEQUENCES: 30 CORRESPONDENCE ADDRESS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                              ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
APPLICANT: Adair, John R.
Athwal, Diljeet S.
Emtage, John S.
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Best Local Similarity 100.
Matches 5; Conservative
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COUNTRY: U
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Gaps
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STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
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MEDIUM TYPE FLOPPY disk

COMPUTER: IN PC Compatible

COMPUTER: IN PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/704,352

FILING DATE: 07-NOV-2003

CLASSIFICATION TO BATA:

APPLICATION DATA:

APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: US/97/95,515

FILING DATE: 28-FEB-2001

APPLICATION NUMBER: 08/846,658
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                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 19, Application US/10704352
Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
Emtage, John S.
Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
                                                                                                                                                                                                                                                                0; Mismatches
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                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
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SEQUENCE DESCRIPTION: SEQ ID NO: 19:
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TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 119 amino acids TYPE: amino acid
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    INFORMATION FOR SEQ ID NO: 18: SEQUENCE CHARACTERISTICS:
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SEQUENCE CHARACTERISTICS
                                              LENGTH: 119 amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 5; Conservative
                                                                             amino
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STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
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COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURREMY APPLICATION NUMBER: US/10/704,352
SOFTWARE: PatentIn Release #1.0, Version #1.25
            CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-Nov-2003
CLASSIFICATION ADATA:

RAPLICATION BATA:

APPLICATION BATA:

APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:

NAME: TYUJIILO, DOTEON YALKO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEG 1D NO: 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18, Application US/10704352
Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
Athwal, Diljeet S.
Entage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Trujillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
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CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 28-ESB-2001
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
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**MOLECULE TYPE: peptide
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**SEQUENCE DESCRIPTION: SEQ ID NO: 17:
**US-10-704-352-17
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Best Local Similarity
Matches 5; Conserv
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31 RYTMH 35
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US-10-704-352-18
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Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
Athwal, Diljeet S.
Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS: 30
CORRESPONDENCE ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norrie
STREET: One Liberty Place - 46th Floor
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-Nov-2003
CLASSIFICATION: CUNKnown>
PRIOR APPLICATION CUNKNOWN>
PRIOR APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/46,658
FILING DATE: 01-MAY-1997
ATTORNY AGENT INFORMATION:
NAME: Trutillo, Doreen Yatko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 30; DB 4; Length 119; Best Local Similarity 100.0%; Pred. No. 56; Matches 5; Conservative 0; Mismatches 0; Indels
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COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
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APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-Nov-2003
CLASSIFICATION: cUnknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-NAY-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
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COMPUTER READABLE FORM:
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STATE: PA
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STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
                                                                                                                                                      Achari, Dilject S.
Emtage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
STREET: One Liberty Place - 46th Floor
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ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/704,352
FILING DATE: 07-Nov-2003
FILING DATE: 07-Nov-2003
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/09/795,515
FILING DATE: 28-FEB-2001
APPLICATION NUMBER: 08/846,658
FILING DATE: 01-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Trujillo, Doreen Yarko
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CARP-0057
TELECOMMUNICATION INFORMATION:
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Publication No. US20040071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
Athwal, Diljeet S.
Entage, John S.
TITLE OF INVENTION: Humanised Antibodies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
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; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-704-352-20
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TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
                                                            Sequence 20, Application US/10704352
Publication No. US200400071693A1
GENERAL INFORMATION:
APPLICANT: Adair, John R.
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Best Local Similarity 100.
Matches 5; Conservative
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US-10-704-352-21
                                        US-10-704-352-20
               RESULT 36
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4: /cgn2 6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

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US-11-054-515-1307
               FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT APPLICATION NUMBER: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR PPLICATION NUMBER: 60/580,347
PRIOR PILING DATE: 2004-06-18
PRIOR PILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-11-16
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SEQ ID NO 1307
LENGTH: 247
                                                                                                                                                                                                                                                                                                  Sequence 877, Application US/11054515 Publication No. US2005025532A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-11-16
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PRIOR FILING DATE: 2000-10-17
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PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
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Local Similarity 80.0%;
nes 4; Conservative
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FILING DATE: 2001-05-25
APPLICATION NUMBER: 60/277,379
FILING DATE: 2001-03-21
APPLICATION NUMBER: 60/276,248
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Pred. No. 10;
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 877
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-877
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                                                                                                                ; TYPE: PRT ; ORGANISM: Homo sapiens US-11-054-515-953
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US-11-054-515-953, Application US/11054515
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NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 953
LENGTH: 248
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Best Local Similarity
Matches 4; Conserv
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Best Local Similarity
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
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PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
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PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
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APPLICATION NUMBER: 09/880,748
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APPLICATION NUMBER: 60/293,499
FILING DATE: 2001-05-25
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FILING DATE: 2001-03-16
APPLICATION NUMBER: 60/240,816
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APPLICATION NUMBER: 09/880,748
FILING DATE: 2001-06-15
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FILING DATE: 2001-03-21
APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
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US-11-054-515-980
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PRIOR FILLING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILLING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILLING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILLING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILLING DATE: 2001-12-19
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PRIOR FILLING DATE: 2001-12-19
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NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 965
LENGTH: 248
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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OR APPLICATION NUMBER: 60/331,469
OR FILING DATE: 2001-11-16
OR APPLICATION NUMBER: 60/340,817
OR FILING DATE: 2001-12-19
OR APPLICATION NUMBER: 60/880,748
OR APPLICATION NUMBER: 60/293,499
OR APPLICATION NUMBER: 60/293,499
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FILING DATE: 2004-06-18
APPLICATION NUMBER: 10/293,418
FILING DATE: 2002-11-14
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FILING DATE: 2001-05-25
APPLICATION NUMBER: 60/277,379
FILING DATE: 2001-03-21
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APPLICATION NUMBER: 60/240,816
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4; Conservative
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b. US20050255532A1
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Pred. No. 10;
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; ORGANISM: Homo sapiens
US-11-054-515-980
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US-11-054-515-984
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PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 980
LENGTH: 248
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Best Local
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PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
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PRIOR FILING DATE: 2001-03-21
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PRIOR FILING DATE: 2001-11-16
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TYPE: PRT
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RESULT 7 US-11-054-515-987 ; Sequence 987, Application US/11054515

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CURKENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR TILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
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NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 987
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR PPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR PILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR APPLICATION NUMBER: 60/380,748
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR APPLICATION NUMBER: 09/880,748
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                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS FILE REFERENCE: PF523P3 CURRENT APPLICATION NUMBER: US/11/054,515 CURRENT FILING DATE: 2005-02-10
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APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
                                                                     FILING DATE: 2001-05-25
APPLICATION NUMBER: 60/277,379
                                                                                                            FILING DATE: 2001-06-15
APPLICATION NUMBER: 60/293,499
FILING DATE: 2001-03-21
APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
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US-11-054-515-1182
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Best Local S
Matches 4
                                 Sequence 1293, Application US/11054515 Publication No. US20050255532A1 GENERAL INFORMATION:
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PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1182
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1181
LENGTH: 248
TYPE: PRT
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PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
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CURRENT FILING DATE: 2005-02-10
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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TITLE OF INVENTION: And
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APPLICATION NUMBER: 60/293,499
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APPLICATION NUMBER: 60/276,248
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Pred. No.
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Pred. No.
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR PILING DATE: 2002-11-14
PRIOR PILING DATE: 2002-11-14
PRIOR PILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-19
PRIOR FILING DATE: 2001-12-19
PRIOR PILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR PILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR PILING DATE: 2001-06-15
PRIOR PILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR PILING DATE: 2001-05-25
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US-11-054-515-1293
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Matches
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Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 3247 SEQ ID NO 1306
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                                                                       PRIOR APPLICATION NUMBER: 60/277,379
PRIOR PILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR PILING DATE: 2000-10-17
PRIOR PILING DATE: 2000-10-17
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PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
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PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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FILING DATE: 2001-03-21
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Pred. No.
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                                                   See File Wrapper or
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US-11-054-515-1417
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NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1417
LENGTH: 248
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Publication No. US20050255532A1
GENERAL INFORMATION:
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Best Local
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APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION UNUBER: 60543,296
PRIOR FILING DATE: 2004-02-11
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
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PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
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PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/277,379
FILING DATE: 2001-03-21
APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/240,816 FILING DATE: 2000-10-17
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; ORGANISM: Homo sapiens US-11-054-515-1609
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US-11-054-515-1609
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PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1588
LENGTH: 248
TYPE: PRT
                                                                                                     Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 3247 SEQ ID NO 1609
Query Match
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Best Local (
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PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
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PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
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                                                                     TYPE: PRT
                                                                                      ENGTH: 248
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FILING DATE: 2001-05-25
APPLICATION NUMBER: 60/277,379
FILING DATE: 2001-03-21
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APPLICATION NUMBER: 60/277,379
FILING DATE: 2001-03-21
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APPLICATION NUMBER: 60/340,817
FILING DATE: 2001-12-19
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Score 27;
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; ORGANISM: Homo sapiens US-11-054-515-1622
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US-11-054-515-1622
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                                    FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
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Best Local S
Matches 4
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Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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LENGTH: 248
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Matches 4; Conserv
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PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
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PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
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APPLICATION NUMBER: 60/293,499
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APPLICATION NUMBER: 09/880,748
FILING DATE:
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US-11-054-515-1623
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US-11-054-515-1624
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LENGTH: 248
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Best Local
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Publication No. US20050255532A1
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Best Local Similarity
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NUMBER OF SEQ ID
SEQ ID NO 1623
                                                         Matches
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PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
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CURRENT FILING DATE: 2005-02-10
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PRIOR FILING DATE: 2001-12-19
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                                                                                                                                                                                                                                                                                                                                     DR APPLICATION NUMBER: 09/880,748
DR FILLING DATE: 2001-66-15
DR APPLICATION NUMBER: 60/293,499
DR FILLING DATE: 2001-05-25
DR APPLICATION NUMBER: 60/277,379
DR FILLING DATE: 2001-03-21
DR PILLING DATE: 2001-03-21
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APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
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FILING DATE: 2001-12-19
APPLICATION NUMBER: 09/880,748
FILING DATE: 2001-06-15
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1 RYTMH 5
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                                                                           Score 27; DB
Pred. No. 10;
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Best Local Similarity
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US-11-054-515-1643
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                                                     CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/340,817
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PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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CURRENT FILING DATE: 2005-02-10
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
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PRIOR FILING DATE: 2004-02-11
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PRIOR APPLICATION NUMBER: 60/293,499
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FILING DATE: 2001-12-19
APPLICATION NUMBER: 09/880,748
FILING DATE: 2001-06-15
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APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
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Pred. No. 10;
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RESULT 21
US-11-054-515-1667
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US-11-054-515-1660
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/340,817
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PRIOR APPLICATION NUMBER: 60/277,379

PRIOR FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/276,248

PRIOR FILING DATE: 2001-03-16

PRIOR PPLICATION NUMBER: 60/240,816

PRIOR FILING DATE: 2000-10-17

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 3247

SEQ ID NO 1657

LENCTH: 248

TYPE: 1000-10-15
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NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1660
LENGTH: 248
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Best Local Similarity
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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PRIOR APPLICATION NUMBER: 09/880,748
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APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
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Pred. No. 10;
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Best Local Similarity 80.0
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LENGTH: 248
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
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CURRENT FILING DATE: 2005-02-10
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind
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PRIOR FILLING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILLING DATE: 2004-06-18
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FILING DATE: 2002-11-14
APPLICATION NUMBER: 60/331,469
FILING DATE: 2001-11-16
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FILING DATE: 2001-03-21
APPLICATION NUMBER: 60/276,248
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APPLICATION NUMBER: 60/293,499
FILING DATE: 2001-05-25
APPLICATION NUMBER: 60/277,379
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                                                               FILING DATE: 2001-06-15
                                                                              FILING DATE: 2001-12-19
APPLICATION NUMBER: 09/880,748
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Pred. No.
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APPLICATION NUMBER: 60/276,248 FILING DATE: 2001-03-16

FILING DATE:

2001-03-21

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RESULT 24
US-11-054-515-1679
US-11-054-515-1679
US-11-054-515
Publication No. US20050255532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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PRIOR FILING DATE: 2000-10-17

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 3247

; SEQ ID NO 1668

; LENGTH: 248

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-054-515-1668
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US-11-054-515-1670
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PRIOR FILLING DATE: 2004-02-11
PRIOR PILLING DATE: 2004-02-17
PRIOR PILLING DATE: 2004-06-18
PRIOR PILLING DATE: 2004-06-18
PRIOR PILLING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILLING DATE: 2001-11-16
PRIOR FILLING DATE: 2001-11-16
                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 1670
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                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
-11-054-515-1670
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 2000-10-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ruben et al
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/240,816
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 09/880,748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/340,817 FILING DATE: 2001-12-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/276,248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/293,499 FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/277,379
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                                                                                                                                                                                  31 KYTWH 35
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Pred. No. 10;
1; Mismatches
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                                                                                                                                                                                                                                                                           Score 27; DB
Pred. No. 10;
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RESULT 25
US-11-054-515-1681
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US-11-054-515-1679
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SEQ ID NO 1679
LENGTH: 248
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Best Local Similarity
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 3247 SEQ ID NO 1681
                                                               PRIOR APPLICATION NUMBER: 60/276,248
PRIOR TILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
                                                                                                                                                     PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/580,347
PRIOR TILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/331,469 PRIOR FILING DATE: 2001-11-16
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PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
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PRIOR FILING DATE: 2001-11-16
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                                                                                                                                                                                                                                              APPLICATION NUMBER: 09/880,748 FILING DATE: 2001-06-15
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    Mismatches

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Pred. No. 10;
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                                          See File Wrapper or PALM.
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RESULT 27
US-11-054-515-1765
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1681
Sequence 1765, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
                                                                                                                                                                                                                                                                                                                                                                                                                                   Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1755
LENGTH: 248
TYPE: PRT
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Best Local Similarity
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/543,296
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PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 2000-10-17
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APPLICATION NUMBER: 60/293,499
FILING DATE: 2001-05-25
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APPLICATION NUMBER: 09/880,748
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Pred. No.
                                                                                                                                                                                                                                                                                                                                             Score 27;
Pred. No.
                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                           DB 7;
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; ORGANISM: Homo sapiens US-11-054-515-1823
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; NUMBER OF SEQ ID N
; SEQ ID NO 1823
; LENGTH: 248
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PRIOR FILING DATE: 2004-06-18
PRIOR PELICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR APPLICATION NUMBER: 60/340,817
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LENGTH: 248
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Best Local Similarity
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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PRIOR FILING DATE: 2000-10-17
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APPLICATION NUMBER: 60/293,499
FILING DATE: 2001-05-25
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APPLICATION NUMBER: 60/277,379
FILING DATE: 2001-03-21
APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
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                                                                                                                                                             APPLICATION NUMBER: 60/240,816
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                                                                                                                                                                                                                        APPLICATION NUMBER: 60/277,379 FILING DATE: 2001-03-21
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                                                                                                                   Application data removed -
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Pred. No.
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; Sequence 3247, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLy
FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT APPLICATION NUMBER: 60/543,296
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
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US-11-054-515-3247
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; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-859
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Best Local Similarity
Matches 4; Conserva
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Best Local Similarity 80.0%;
Matches 4; Conservative
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Publication No. US20050255532A1
GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or NUMBER OF SEQ ID NOS: 3247
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PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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PRIOR FILING DATE: 2002-11-14
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FILING DATE: 2001-11-16
               APPLICATION NUMBER: 10/293,418 FILING DATE: 2002-11-14
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APPLICATION NUMBER: 60/276,248
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APPLICATION NUMBER: 60/331,469
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Pred. No.
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Pred. No.
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; NUMBER OF SEQ ID N
; SEQ ID NO 845
; LENGTH: 251
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PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
                                                    Query Match
Best Local Similarity
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PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
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PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
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PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
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CURRENT FILING DATE: 2005-02-10
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PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
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PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 2001-12-19
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PRIOR APPLICATION NUMBER: 60/
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PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
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  1 RYTMH 5
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                                        4; Conservative
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o. US20050255532A1
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) NOS: 3247
                                                             90.0%;
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; Pred. No. 10;
1; Mismatches
                                        1; Mismatches
                                                           Score 27; DB Pred. No. 11;
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PRIOR FILING DATE: 2004-06-18
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-12-19
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
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SEQ ID NO 852
LENGTH: 251
TYPE: PRT
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Best Local Similarity
Matches 4; Conserv
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PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
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                                                                APPLICATION NUMBER: 60/331,469 FILING DATE: 2001-11-16
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FILING DATE: 2000-10-17
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                 APPLICATION NUMBER: 60/340,817 FILING DATE: 2001-12-19
PPLICATION NUMBER: 09/880,748
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o. US20050255532A1
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b. US20050255532A1
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; SEQ ID NO 853
; LENGTH: 251
; TYPE: PRT
; ORCANISM: Homo sapiens
US-11-054-515-853
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                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Homo
US-11-054-515-875
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-11-16
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GENERAL INFORMATION:
APPLICANT: Ruben et al.
                                                                                                                                                                                                              SEQ ID NO 875
LENGTH: 251
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                                                                                           Query Match
Best Local
                                                                           Matches
                                                                                                                                                                                                                                                    PRIOR FILING DATE: 2000-10-17
Remaining Prior Application d
NUMBER OF SEQ ID NOS: 3247
                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
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PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2001-06-15
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                                    1 RYTMH 5
                                                                                             Similarity
KYTMH 35
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Pred. No.
                                                                         Score 27; DB 7; Pred. No. 11; 1; Mismatches
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                                                                                                                Length 251;
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RESULT 35

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US-11-054-515-884
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                                                                                                                                                             CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR FILING DATE: 2001-11-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Publication No. US20
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                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS FILE REFERENCE: PF52393 CURRENT APPLICATION NUMBER: US/11/054,515 CURRENT FILING DATE: 2005-02-10
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PRIOR
PRIOR
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CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR APPLICATION NUMBER: 60/543,296
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PRIOR TILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ENGTH: 251
                                   DR APPLICATION NUMBER: 60/340,817
DR FILING DATE: 2001-12-19
DR FILING DATE: 00/880,748
DR FILING DATE: 2001-06-15
DR APPLICATION NUMBER: 60/293,499
DR FILING DATE: 2001-05-25
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APPLICATION NUMBER: 60/277,379
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FILING DATE: 2001-06-15
APPLICATION NUMBER: 60/293,499
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                 APPLICATION NUMBER: 60/277,379
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LING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31 KYTMH 35
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Similarity 80.0%;
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o. US20050255532A1
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2001-03-2
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1; Mismatches
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RESULT 38
US-11-054-515-887
US-11-054-515-887
; Sequence 887, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
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; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 884
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-884
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US-11-054-515-886
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LENGTH: 251
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Best Local Similarity 80.0%;
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PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
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CURRENT FILING DATE: 2005-02-10
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TYPE: PRT
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o. US20050255532A1
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                                                                                                                                                                                                                                                                                                                                                                       data removed - See File Wrapper or PALM
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Pred. No. 11;
1; Mismatches

    Mismatches

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Pred. No.
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11;
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APPLICANT: Ruben et al.

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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 887
LENGTH: 251
TYPE: PRT
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PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR APPLICATION NUMBER: 60/580,347
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Local Similarity 80.0%;
les 4; Conservative
                                                                 APPLICATION NUMBER: 60/277,379
FILING DATE: 2001-03-21
APPLICATION NUMBER: 60/276,248
FILING DATE: 2001-03-16
                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 10/293,418 FILING DATE: 2002-11-14
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APPLICATION NUMBER: 60/276,248
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                    APPLICATION NUMBER: 60/240,816 FILING DATE: 2000-10-17
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US-11-054-515-940
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SEQ ID NO 944
LENGTH: 251
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Publication No.
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CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
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PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
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hypothetical protein NMA1281 [imported] - Neisseria meningitidis (strain Z2491 serogroup C;Species: Neisseria meningitidis C;Date: 05-May-2000 #sequence_revision 05-May-2000 #text_change 09-Jul-2004 C;Accession: C81896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Title: Making antibody fragments using phage display libraries.
A;Reference number: $17230; MUID:91326098; PMID:1907718
A;Recession: $17610
A;Retatus: preliminary
A;Molecule type: nucleic acid
A;Residues: 1-96 <CLA-
A;Cross-references: UNIPARC:UPI0000176E7D
C;Kuyerfamily: immunoglobulin V region; immunoglobulin homology
C;Keywords: heterotetramer; immunoglobulin
F;8-91/Domain: immunoglobulin homology <IMM>
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C;Species: Mus musculus (house mouse)
C;Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 06-Jun-1997
C;Accession: S17610
R;Clackson, T.; Hoogenboom, H.R.; Griffiths, A.D.; Winter, G.
Nature 352, 624-628, 1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Title: Complete DNA sequence of a serogroup A strain of Neisseria menigitidis Z2491.
A;Reference number: A81775; MUID:20222556; PMID:10761919
A;Accession: C81896
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                                                                                                                                                                                                                                     hypothetical protein PA0118 [imported] - Pseudomonas aeruginosa (strain PAO ;Species: Pseudomonas aeruginosa (c;Species: Pseudomonas aeruginosa (strain PAO c;Species: Species: Sp
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                                                                                                                                                      R;Stover, C.K.; Pham, X.O.; Erwin, A.L.; Mizoguchi, S.D.; Warrener, adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas,
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A;Experimental source: serogroup A, strain Z2491
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A; Residues: 1-61 < PAR>
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A;Title: Complete genome sequence of Pseudomonas aeruginosa PA01, A;Reference number: A82950; MUID:20437337; PMID:10984043
                                                                               .; Lory, S.; Olson, M.V. Nature 406, 959-964, 2000
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D; Mismatches
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S.; Moule, S.;
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A;Cross-references; UNIPROT:Q9PFS4; UNIPARC:UPI0000C246D; GB:AE003904; GB:AE003949; NID: A;Experimental source: strain 9a5c
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A;Molecule type: DNA
A;Residues: 1-195 <STO>
A;Cross-references: UNIPROT:Q91714; UNIPARC:UPI00000C4F47; GB:AE004450; GB:AE004091; NID:
A;Experimental source: strain PAO1
C;Genetics:
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C;Superfamily:
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C;Species: Xylella fastidiosa
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RYTLH 38
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Pred. No.
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R;Kunst, F.; Ogasawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; B. C.; Bron, S.; Brouillet, S.; Bruschi, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M. A.; Ehrlich, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari Nature 390, 249-256, 1997
A;Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Giech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo,

Ferrari,

Bertero E Choi

Galler

transporter homolog yfkH - Bacillus subtilis C;Species: Bacillus subtilis C;Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004

RESULT C69808

C; Accession: C69808

A; Residues: 1-393 < ARN>

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KOetter, P.; Koningstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois, A.Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maueel Y. M.; Ogiwara, A.; Ogiwara, A.; Odlega, B.; Park, S.H.; Parko, V.; Pohl, T.M.; Portetelle, Rieger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, M.; Sadaie, Y.; Sato, T.; Scanlon; A.;Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Sekiguchi, J.; Sekowska, A.; Serou akeuchi, M.; Tamakoshi, A.; Tanaka, T.; Terpstra, P.; Tognoni, A.; Tosato, V.; Uchiyama, T.; Winters, P.; Mipat, A.; Yamamoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshida, K.; Aluthors: Yoshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.
A;Title: The complete genome sequence of the Gram-positive bacterium Bacillus subtilis. A; Reference number: A69580; MUID:98044033; PMID:9384377
                                                                                                        A; Variety: strain J99

G; Date: 12-Feb-1999 #sequence_revision 12-Feb-1999 #text_change 09-Jul-2004

C; Paccession: B71857

C; Paccession: B71857

R; Alm, R.A.; Ling, L.S.L.; Moir, D.T.; King, B.L.; Brown, E.D.; Doig, P.C.; Smith, D.R.; Ives, C.; Gibson, R.; Merberg, D.; Mills, S.D.; Jiang, Q.; Taylor, D.E.; Vovis, G.F.; Nature 397, 176-180, 1999

A; Title: Genomic sequence comparison of two unrelated isolates of the human gastric path
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Accession: H89921
R;Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.;
ma, A.; Mizutani-Ui, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kaito, C.; Sekimizu,
ma, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.
C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.
Lancet 357, 1225-1240, 2001
A;Title: Whole genome sequencing of meticillin-resistant Stapylococcus aureus.
A;Reference number: A89758; MUID:21311952; PMID:11418146
A;Accession: H89921
                              A;Reference number: A71800;
A;Accession: B71857
A;Status: preliminary
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                                                                                                                                                                                                                                                                                                                       probable lipopolysaccharide biosynthesis protein - Helicobacter pylori (strain
C.Species: Helicobacter pylori
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A; Residues: 1-292 < KUR>
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Best Local
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                                                                                         MUID:99120557;
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; Pred. No. 68;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 27; DB Pred. No. 64; 1; Mismatches
                                                                                         PMID:9923682
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probable lipopolysaccharide biosynthesis protein - Helicobacter pylori (strain J99) (;Species: Helicobacter pylori A;Variety: strain J99) A;Variety: strain J99  
C;Date: 12-Feb-1999  
#sequence_revision 12-Feb-1999  
#text_change 09-Jul-2004  
C;Accession: C71857  
R;Alm, R.A.; Ling, L.S.L.; Moir, D.T.; King, B.L.; Brown, E.D.; Doig, P.C.; Smith, D.R.; Ives, C.; Gibson, R.; Merberg, D.; Mills, S.D.; Jiang, Q.; Taylor, D.E.; Vovis, G.F.; Rature 397, 176-180, 1999  
A;Title: Genomic sequence comparison of two unrelated isolates of the human gastric path A;Reference number: A71800; MUID:99120557; PMID:9923682
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                                                                                                                              A; Map position: X
                                                                                                                                                                                     A;Cross-references: UNIPARC:UPI000017BD05; A;Experimental source: strain Bristol N2; c
                                                                                                                                                                                                                         A; Molecule type: DNA
A; Residues: 1-423 <NHA>
                                                                                                                                                                                                                                                         A; Status: preliminary; translated from
                                                                                                                                                                                                                                                                                             A; Reference number: Z20639
                                                                                                                                                                                                                                                                                                            submitted to the EMBL Data Library, February 1997 A;Description: The sequence of C. elegans cosmid
                                                                                                                                                                                                                                                                                                                                                      R;Nhan, M.; Hawkins, J.
                                                                                                                                                                                                                                                                                                                                                                   C; Accession:
                                                                                                                                                                                                                                                                                                                                                                                  hypothetical protein ZK377.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Feb-2000
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A; Residues: 1-398 < ARN>
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                                                                                                                                                                                                                                                                              A; Accession: T29549
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Best Local Similarity
Matches 4; Conser
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                                                          Score 27; DB Pred. No. 99;
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Pred. No.
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Pred. No.
                                           Mismatches
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                                         Indels
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180 RYTLH

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C;Species: Saccharomyces cerevisiae
C;Date: 28-Oct-1994 #sequence_revision 28-Oct-1994 #tex
C;Accession: S46794
R;Favello, T.
submitted to the EMBL Data Library, June 1994
A,Description: The sequence of S. cerevisiae cosmid 978
A;Reference number: S46797
A;Accession: S46794
A;Molecule type: DNA
A;Residues: 1-541 <FAV>
            Gene 239, 309-316, 1999
A;Title: Isolation and analysis of
A;Reference number: Z25171
A;Accession: T52465
A;Status: preliminary; translated
                                                                                                      A;Gene: SGD:STP2
A;Cross-references: SGD:S0001048; MIPS:YHR006w
A;Map position: 8R
C;Superfamily: zinc finger protein
C;Keywords: nucleus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Date: 09-Aug-1997 #sequence_revision 09-Aug-1997 #text_change 09-Jul-2004
C;Accession: A64658
R;Tomb, J.F.; White, O.; Kerlavage, A.R.; Clayton, R.A.; Sutton, G.G.; Fleischmann, R. Peterson, S.; Loftus, B.; Richardson, D.; Dodson, R.; Khalak, H.G.; Glodek, A.; McKerson, J.D.; Kelley, J.M.; Cotton, M.D.; Weidman, J.M.; Fujii, C.; Bowman, C.; Watthey, Nature 388, 539-547, 1997
A;Authors: Wallin, E.; Hayes, W.S.; Borodovsky, M.; Karpk, P.D.; Smith, H.O.; Fraser, A;Title: The complete genome sequence of the gastric pathogen Helicobacter pylori.
A;Reference number: A64520; MUID:97394467; PMID:9252185
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C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hypothetical protein YHR006w - yeast (Saccharomyces cerevisiae) C;Species: Saccharomyces cerevisiae C;Species: Saccharomyces cerevisiae C;Date: 28-Oct-1994 #sequence_revision 28-Oct-1994 #text_change
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C;Species: Helicobacter pylori
C;Date: 09-Aug-1997 #sequence_revision 09-Aug-1997 #text_change 09-Jul-2004
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A; Residues: 1-431 < TOM>
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Pred. No. 1.3e
1; Mismatches
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Bowman, C.; Watthey, L
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A;Residues: 1-613 <KAT>
A;Cross-references: UNIP;
A;Experimental source: c;
C;Genetics:
A;Map position: 1
C;Superfamily: disease r;
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C;Date: 23-Mar-1995 #sequence_revision 23-Mar-1995 #text_change 0
C;Accession: A55877
R;Song, H.Y; Dunbar, J.D.; Zhang, Y.X.; Guo, D.; Donner, D.B.
J. Biol. Chem. 270, 3574-3581, 1995
A;Title: Identification of a protein with homology to hsp90 that
A;Reference number: A55877; MUID:95181307; PMID:7876093
A;Accession: A55877
A;Status: preliminary
                                                                                                                                                                                      A;Gene: ppsA
C;Superfamily: Escherichia
C;Keywords: transferase
                                                                                                                                                                                                                                                                                                               A;Molecule type: DNA
A;Residues: 1-792 <PAR>
A;Cross-references: UNIPARC:UPI0000059DD6;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Nature 413, 848-852, 2001
A;Authors: Parry, C.; Quail, M.; Rutherford, K.; Simmonds, M.;
A;Title: Complete genome sequence of a multiple drug resistant
A;Reference number: AB0502; MUID:21534947; PMID:11677608
A;Accession: AB0704
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A;Cross-references: UNIPARC:UPI000016A0FC;
C;Superfamily: heat shock protein 90
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A55877
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Matches 4
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ce: cultivar Columbia
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1; Mismatches
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   K.D.; Thomson, N.R.; Pickard, D.; Wain, J.; Cl Davis, P.; Davies, R.M.; Dowd, L.; White, N.;
                                                                 Mismatches
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                                                                                              DB 2;
1.9e+02;
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RESULT 17
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                  pyruvate, water dikinase (EC 2.7.9.2) ppsA [validated] - Escherichia coli (N;Alternate names: phosphoenolpyruvate synthase C;Species: Bscherichia coli A;Variety: strain K12 (C;Date: 16-Sep-1992 #text_change 09-Jul-2004 C;Date: 16-Sep-1992 #sequence revision 16-Sep-1992 #text_change 09-Jul-2004 C;Accession: S20554; F64928; S14838 R;Nierabach, M.; Kreuzaler, F.; Geerse, R.H.; Postma, P.W.; Hirsch, H.J. Mol. Gen. Genet. 231, 332-336, 1992
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A;Residues: 1-792 <HAY>
A;Cross-references: UNIPROT:Q8XEC4; UNIPARC:UPI0000165476; GB:BA000007; PIDN:BAB35832.1
A;Experimental source: strain O157:H7, substrain RIMD 0509952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA Res. 8, 11-22, 2001
A;Title: Complete genome sequence of enterohemorrhagic Escherichia coli 0157:H7
A;Reference number: A99629; MUID:21156231; PMID:11258796
A;Accession: A90930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gasawara, N.; Yasunaga,
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C;Superfamily: Escherichia coli pyruvate,water dikinase; phosphotransferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Molecule type: DNA,
A;Residues: 1-792 <STO2
A;Cross-references: UNIPROT:Q8XEC4; UNIPARC:UPI00000D0268; GB:AE005174; NID:g12515710;
A;Experimental source: strain O157:H7, substrain EDL933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Reference number: A85480;
A;Accession: E85778
A;Status: preliminary
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A90930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Title: Genome sequence of enterohemorrhagic Escherichia coli O157:H7 A;Reference number: A85480; MUID:21074935; PMID:11206551
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                           Escherichia coli pyruvate, water dikinase; phosphotransferase system
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Yasunaga, T.; Kuhara, S.; Shiba, T.; Hattori,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Plunkett III, G.; Burland, V.; Mau, B.; Glassbeck, E.J.; Davis, N.W.; Lim, A.; Dimalanta,
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   nucleotide sequence
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Pred. No.
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Pred. No. 1.9e+02;
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     of the
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imalanta, E.;
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Shinagawa,
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Potamousis,
K-12 ppsA
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 probable disease resistance protein F9K23.8 [imported]
C;Species: Arabidopsis thaliana (mouse-ear cress)
                                       F96617
                                                      RESULT 19
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69

RYTLH

73

Arabidopsis

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C;Accession: JC6015
R;McIlado, E.; Aufauvre-Brown, A.; Gow, N.A.R.; Holden, D.W.
R;McIlado, E.; Aufauvre-Brown, A.; Gow, N.A.R.; Holden, D.W.
Mol. Microbiol. 20, 667-679, 1996
A;Title: The Aspergillus fumigatus chsC and chsG genes encode
A;Reference number: JC6015; MUID:96347138; PMID:8736545
A:Accession: JC6015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        N;Alternate names: chitin-UDP N-acetylglucosaminyltransterase C;Species: Aspergillus fumigatus
C;Species: 15-Aug-1996 #sequence_revision 18-Oct-1996 #text_change
                                                                                                                                               A;Description: catalyzes the alpha-1,4-glycosylation of chitin by UDP-N-acetyl-D-glucosa C;Superfamily: chitin synthase chsA C;Keywords: glycoprotein; glycosyltransferase; hexosyltransferase; zymogen
                                                                                                                                                                                                                                                                                                      A; Experimental source: C; Comment: This enzyme
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Cross-references: UNIPROT:P23538; UNIPARC:UPI00001680C9; EMBL:X59381; NID:g42480; A;Experimental source: strain K-12, substrain DH1 R;Blattner, F.R.; Plunkett III, G.; Bloch, C.A.; Perna, N.T.; Burland, V.; Riley, M
                                                                                                                         C; Keywords: glycoprotein; F;524,845/Binding site: ca
                                                                                                                                                                                                               C; Function:
                                                                                                                                                                                                                                           A; Introns:
                                                                                                                                                                                                                                                               A;Gene: chsC
                                                                                                                                                                                                                                                                                  C;Genetics
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                                                                                                                                                                                                                                                                                                                                                                      A; Molecule type: mRNA
A; Residues: 1-889 < MEL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          chitin synthase (EC 2.4.1.16) C - Aspergillus fumigatus N;Alternate names: chitin-UDP N-acetylglucosaminyltransferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Description: EC 2.7.9.2 [validated, MUID:66071519]; catalyzes the ATP-depe A;Pathway: gluconeogenesis C;Superfamily: Escherichia coli pyruvate,water dikinase; phosphotransferase C;Keywords: phosphoprotein; transferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Gene: ppsA
C;Function:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Cross-references: UNIPARC:UPI00001680C9; GB:AE000265; A;Experimental source: strain K-12, substrain MG1655
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A; Residues: 1-792 < BLAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Science 277, 1453-1462, 1997
A;Title: The complete genome sequence of Escherichia coli A;Reference number: A64720; MUID:97426617; PMID:9278503
A;Accession: F64928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Blattner, F.R.; Plunkett III, G.;
.A.; Rose, D.J.; Mau, B.; Shao, Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-792 < NIE>
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                                           Matches
                                                               Query Match
Best Local
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1 RYTMH 5
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                                                                                                                                                                                                                                                                                             source: strain 237
enzyme belongs to
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                                           Conservative
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                                                                                                                           carbohydrate
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                                      Score 27; DB
Pred. No. 2.2e
1; Mismatches
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Pred. No. 1.9e+02;
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RESULT
B82276
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R;Parsot, C.; Taxman, E.; Mekalanos, J.J.
Proc. Natl. Acad. Sci. U.S.A. 88, 1641-1645, 1991
A;Title: TOXR regulates the production of lipoproteins and A;Reference number: A39108; MUID:91156664; PMID:2000374
A;Accession: A39108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004
C;Accession: T09438; A39108
R;Karaolis, D.K.R.; Johnson, J.A.; Bailey, C.C.; Boedeker, E.C.; Kaper, J.B.; Reeves, P. Proc. Natl. Acad. Sci. U.S.A. 95, 3134-3139, 1998
A;Title: A Vibrio cholerae pathogenicity island associated with epidemic and pandemic st A;Reference number: Z16672; MUID:98169509; PMID:9501228
A;Accession: T09438
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R;Theologis, A; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S; White, O; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, A;Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: A86141; MUID:21016719; PMID:11130712
A;Accession: F96617
                                                                                                                                                                                                                                                                                  A;Gene: tagA
A;Note: part ot the pathogenicity island (VPI); associated with epidemic C;Keywords: lipid binding; lipoprotein
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A;Residues: 1-25 <PAR>
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C;Species: Vibrio cholerae
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A; Residues: 1-907 <S
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;Residues: 1-1002 <KAR>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cross-references: UNIPROT:P24019; UNIPARC:UPI0000000A87; EMBL:AF034434; NID:g3004923;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       position:
                             22
                                                                                                                                                                                                                    Local Similarity
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                                                                                                  514 RYTLH 518
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 RYTMH 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1-907 <STO>
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                                                                                                                                                                                                4.
                                                                                                                                                 RYTMH 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KYTMH 381
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                                                                                                                                                                                                                    90.0%;
                                                                                                                                                                                              Score 27; DB 2;
Pred. No. 2.4e+02
1; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 27; |
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
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2.2e+02;
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                                                                                                                                                                                                                                            Length 1002
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                                                                                                                                                                                                                                                                                           RESULT 23
T42405
                      A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: mRNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: DNA
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                         318
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A; Reference number: Z22160;
A; Accession: T42405
                      R;Zallen, J.A.; Yi, B.A.; Bargmann, C.I.
Cell 92, 217-227, 1998
A;Title: The conserved immunoglobulin superfamily member
A;Reference number: Z22160; MUID:98117250; PMID:9458046
                                                                                                                    C;Species: Caenorhabditis elegans
(;)Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
(;)Accession: T42405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Residues: 1-1044 <ARN>
A;Cross-references: UNIPROT:Q9WZL5; UNIPARC:UPI00000D399A; GB:AE001745; GB:AE000512; NID
A;Experimental source: strain MSB8
C;Genetics:
A;Gene: TM0756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nature 399, 323-329, 1999
A;Title: Evidence for lateral gene transfer between Archaea and Bacteria from genome A;Reference number: A72200; MUID:99287316; PMID:10360571
A;Accession: B72338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Residues: 1-1013 <HEI>A;Residues: 1-1013 <HEI>A;Cross-references: UNIPARC:UPI0000164B66; GB:AE004167; GB:AE003852; A;Experimental source: serogroup O1; strain N16961; biotype El Tor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R;Heidelberg, J.F.; Eisen, J.A.; Nelson, W.C.; Clayton, R.A.; chardson, D.; Ermolaeva, M.D.; Vamathevan, J.; Bass, S.; Qin, J. R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.
Nature 406, 477-483, 2000
A;Title: DNA Sequence of both chromosomes of the cholera patho A;Reference number: A82035; MUJD:20406833; PMID:10952301
A;Accession: B82276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Species: Vibrio cholerae
C;Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 02-Feb-2001
C;Accession: B82276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R;Nelson, K.E.; Clayton, R.A.; Gill, S.R.; Gwinn, M.L.; Dodson, R.J.; Haft, D.H.; Hickey, Garrett, M.M.; Stewart, A.M.; Cotton, M.D.; Pratt, M.S.; Phillips, C.A.; Richardson, D.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C;Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 09-Jul-2004
C;Accession: B72338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   galactosyltransferase-related protein - Thermotoga maritima (strain MSB8)
C; Species: Thermotoga maritima
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Status: preliminary
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                                                                                                                                                                                         ein - Caenorhabditis elegans
Caenorhabditis elegans
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Pred.
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27;
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2.5e+02;
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2.5e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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                                                          SAX-3/Robo directs multiple
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H.; Dragoi, I.; Sellers, P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
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A;Cross-references: (C;Genetics: A;Note: sax-3 C;Function:
                                                                                                                                                C;Accession: T17428
R;Mottamedi, H.; Shafiee, A.
Eur. J. Biochem. 256, 528-534, 1998
Eyr. J. Biochem. 256, 528-534, 1998
A;Title: The biosynthetic gene cluster for the macrolactone
A;Reference number: Z18779; MUID:98431508; PMID:9780228
A;Accession: T17428
                                                                                                                                                                                                                                                           C;Species: Streptomyces sp.
A;Variety: strain MA6548
C;Date: 15-Oct_1999 #sequence_revision 15-Oct-1999 #text_change 12-Jul-2004
                                                           A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-7576 <MOT>
A;Cross-references: UNIPROT:Q9ZGA4; UNIPARC:UPI0000110203; EMBL:AF082100; NID:g3798623;
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A;Residues: 1-1568 <PUR>
A;Residues: 1-1568 <PUR>
A;Cross-references: UNIPROT:074415; UNIPARC:UPI00000698E9; EMBL:AL031518; PIDN:CAA20655.
A;Experimental source: strain 972h-; cosmid c14G10
R;Wood, V.; Rajandream, M.A.; Barxell, B.G.; Jimenez Martinez, J.
submitted to the EMBL Data Library, July 1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Accession: T41013; T41206
R;Purnelle, B.; Goffeau, A.; Wood, V.; Rajandream, M.A.; Barrell, B.G. submitted to the EMBL Data Library, September 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ક
                                                A;Experimental source: strain
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A;Accession: T41206
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A;Molecule type: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;Cross-references: UNIPARC:UPI000006B29D; EMBL:AL109736; PIDN:CAB52160.1; GSPDB:GN0006E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;Map position:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gene: SPDB:SPCC14G10.02;
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         strain 972h-; cosmid c18B5
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                                                                                                                                                                                                                                                                                                                                          Streptomyces
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1; Mismatches
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    Mismatches

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Pred. No.
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Ig heavy chain V-III region (Nie)
C; Species: Homo sapiens (man)
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                                           GIHUNI
                                                             RESULT
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A;Cross-references: UNIPROT: (OPPH45; UNIPARC: UPI00000C22D3; GB:AE003864; GB:AE003849; NID A;Experimental source: strain 9a5c R;Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga, R.; A Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carrer, H as-Neto, E.; Docena, C.; El-Dorry, H.; Facincani, A.P.; Ferreira, A.J.S. submitted to GenBank, June 2000

A;Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franca, S.C.; Franco, M.C.; Frohm J.D.; Junqueira, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.; Laigr chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Martins, E. A;Authors: Martins, E.M.F.; Madeira, H.M.F.; Menck, C.F.M.; Miracca, E.C.; Miyaki, C.Y.; F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri, D.A. Rodrigues, V.; Rosa, A.J. de M.; de Rodrigues, V.; Rosa, A.J. de M.; de Rodrigues, V.; Rosa, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., W.A.; da Silva, A.M.; June, J. C.R.; da Silva, A.M.; Silva Jr., W.A.; da Silva, A.M.; June, J. C.R.; da Silva, A.M.; June, J. C.R.; da Silva, A.M.; Silva, Jr., W.A.; da Silva, A.M.; June, J. C.R.; da Silva, A.M.; June, J. W.A.; da Silva, A.M.; June, J. C.R.; da Silva, A.
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F;1204-1599/Domain: 3-oxoacyl-[acyl-carrier-protein] synthase I
F;1682-1953/Domain: [acyl-carrier-protein] S-malonyltransferase
F;2680-2751/Domain: acyl carrier protein homology <ACP2>
F;2804-3198/Domain: 3-oxoacyl-[acyl-carrier-protein] synthase I
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Title: The genome sequence of the plant pathogen Xylella fastidiosa. A;Reference number: A82515; MUID:20365717; PMID:10910347 A;Note: for a complete list of authors see reference number A59328 below
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein XF0101 [imported] - Xylella fastidiosa (strain 9a5c) C;Species: Xylella fastidiosa (C;Daece: B-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 09-Jul-2004 C;Accession: B82847
                                                                                                                                                                                                                  A;Gene: XF0101
                                                                                                                                                                                                                                                                                A; Contents: annotation
                                                                                                                                                                                                                                                                                                                     A; Reference number: A59328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Residues: 1-94 <SIM>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C; Accession:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          F;6018-6412/Domain:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                F;3295-3569/Domain:
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F;54-500/Domain: acetate-CoA ligase homology <ACL>
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[acyl-carrier-protein] S-malonyltransferase
                                                                                                     86.7%;
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                                                                 Score 26; DB:
Pred. No. 36;
1; Mismatches
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Pred. No. 2e+03;
1; Mismatches
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A;Cross-references: UNIPROT:P01770; UNIPARC:UPI000012CEFA
A;Note: the sequence of the gamma-1 C region of this chain:
R;Dreker, L.; Schwarz, J.; Reichel, W.; Hilschmann, N.
Hoppe-Seyler's Z. Physiol. Chem. 357, 1515-1540, 1976
A;Title: Rule of antibody structure. The primary structure cenbromide cleavage products, and the disulfide bridges.
A;Reference number: A91667; MUID:77070267; PMID:1002129
A;Contents: annotation; disulfide bond
C;Comment: This chain was isolated from an ToC1 mvalama acceptable.
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A;Gene: GDB:IGHV@
A;Cross-references: GDB:128528; OMIM:147070
A;Cross-references: GDB:128528; OMIM:147070
A;Map position: 14q32.33-14q32.33
C;Superfamily: immunoglobulin V region; immunoglobulin homology C;Keywords: heterotetramer; immunoglobulin; pyroglutamic acid F;15-98/Domain: immunoglobulin homology
hypothetical protein B7J19.110 [imported] - Neurospora crassa
C;Species: Neurospora crassa
C;Date: 21-Jul-2000 #sequence_revision 21-Jul-2000 #text_change 08-Sep-2000
.C;Accession: T51012
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                                                                                                                                                                                                                                                                                                                                                                                      A;Genome: chloroplast
C;Superfamily: ribulose-bisphosphate carboxylase small chain
C;Keywords: Calvin cycle; carbon dioxide fixation; carbon-car
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R;Boczar, B.A.; Delaney, T.P.; Cattolico, R.A. Proc. Natl. Acad. Sci. U.S.A. 86, 4996-4999, 1889 A;Title: Gene for the ribulose-1,5-bisphosphate carboxylase A;Reference number: A32940; MUID:89296930; PMID:2740337 A;Accession: A32940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain - golden alga (Olisthodiscu
C;Species: chloroplast Olisthodiscus luteus
C;Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 09-Jul-2004
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A;Title: Die Primaerstruktur eines monoklonalen
                                                                                                 T5101
                                                                                                                        RESULT 29
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Best Local S
Matches 4
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                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                    86.7%;
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                                                                                                                                                                                                                                                                                                                    Score 26; DB
Pred. No. 54;
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                                                                                                                                                                                                                                                                                                                                           DB 1;
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R;Schulte, U.; Aign,
submitted to the Prot
A;Reference number: Z
A;Accession: T51012
                                                                                                  R;Kawarabayasi, Y.; Hino, Y.; Horikawa, H.; Yamazaki, S.; Haikawa, Y.; Jin-no, K.; Takahi awa, H.; Takamiya, M.; Masuda, S.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Ki DNA Res. 6, 83-101, 1999
A;Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropyri A;Reference number: A72450; MUID:99310339; PMID:10382966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                conserved hypothetical protein Atu6193 [imported] - Agrobacterium tumefaciens C;Species: Agrobacterium tumefaciens C;Date: 11-Jan-2002 #sequence revision 11-Tan annum.
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A;Introns: 31/1; 66/3; 170/3
C;Superfamily: Neurospora cra
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A;Genome: plasmid
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A; Residues: 1-243 < KUR>
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A;Reference number: AB2577; MUID:21608550; PMID:11743193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Authors: Yoo, H.; Tao, ster, E.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Karp, P.; Romero, P.; Zhang, S. Science 294, 2317-2323, 2001
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C;Accession: C72712
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                                     A; Molecule type: DNA
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                     A;Residues:
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4; Conserv
                     1-281 <KAW>
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UNIPROT:Q9YCZ8; UNIPARC:UPI00005DE00; DDBJ:AP000060; NID:g5104188; |
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A; Experimental s
C; Genetics:
A; Gene: APE1114
C; Superfamily: E
   RESULT
S44235
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A;Title: BsuBI-an isospecific restriction and modification system A;Reference number: S35515; MUID:93126092; PMID:1480472
A;Accession: S35516
                                                                                                                                                                                                                                                                                                                                                                                          type II site-specific deoxyribonuclease (EC 3.1.21.4) BsuBI - Bacillus subt N;Alternate names: restriction endonuclease BsuBI C;Species: Bacillus subtilis C;Species: Bacillus subtilis C;Date: 09-Dec-1993 #sequence revision 10-Nov-1995 #text_change 09-Jul-2004 C;Accession: S35516
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                                                                                                                                                                                                                 C; Superfamil
C; Keywords:
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C;Superfamily: type II site-specific deoxyribonuclease PstI
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A; Residues: 1-316 < XUG>
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A; Cross-references: UNIPROT: Q9WYQ3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           conserved hypothetical protein - Thermotoga maritima (strain MSB8)
C; Species: Thermotoga maritima
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A;Accession: F72378
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Gene: TM0422
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Nelson, K.E.; Clay
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Pred. No. 1.2e
1; Mismatches
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Pred. No. 1.3e+02
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Pred. No.
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Best Local Similarity
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C;Accession: E71696

R;Andersson, S.G.E.; Zomorodipour, A.; Andersson, J.O.; Sicheritz-Ponten, T.; Alsmark, Nature 396, 133-140, 1998

A;Title: The genome sequence of Rickettsia prowazekii and the origin of mitochondria. A;Reference number: A71630; MUID:99039499; PMID:9823893

A;Accession: E71696

A;Status: preliminary; nucleic acid sequence not shown; translation not shown
                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 36
G98288
                                                                                                                                                                                                             R;Goodner, B; Hinkle, G; Gattung, A; Liu, F; Wollam, C; Allinger, Science 294, 2323-2328, 2001
A;Title: Genome Sequence of the Plan
A; Gene: AGR L 25
A; Map position:
                                                                                                                                                                                                                                                                                                          hypothetical protein AGR_L_2530 [imported] - Agrobacterium tumefaciens (strain c;Species: Agrobacterium tumefaciens C;Species: Agrobacterium tumefaciens C;Date: 22-Oct-2001 #sequence_revision 22-Oct-2001 #text_change 09-Jul-2004 C;Accession: G98288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Cross-references: UNIPROT:Q9ZDE1; UNIPARC:UPI000013427F; A;Experimental source: strain Madrid E C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rare lipoprotein A precursor (rlpA) RP390 - Rickettsia prowazekii
C;Species: Rickettsia prowazekii
C;Date: 21-Nov-1998 #sequence_revision 21-Nov-1998 #text_change 09-Jul-2004
                                                   C; Genetics:
                                                                           A; Cross-references:
                                                                                               A; Molecule type: DNA
A; Residues: 1-321 < KUR>
                                                                                                                                             A;Status: preliminary
                                                                                                                                                                    A;Accession: G98288
                                                                                                                                                                                          A; Title: Genome Sequence of the Plant Pathogen and Biotechnology A; Reference number: A97359; MUID:21608551; PMID:11743194
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A; Residues: 1-320 < AND>
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A;Molecule type: DNA
A;Residues: 1-319 <MAY>
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C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995
C;Accession: S44235
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C;Species: Streptomyces glaucescens
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    chromosome
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80.0%;
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Pred. No. 1.3e+02;
l; Mismatches 0
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Pred. No. 1.3e+02;
1; Mismatches 0;
                                                                         UNIPARC: UPI000016442D;
                                                                                                                                                                                                                                                            S.; Miller, N.; Blanchard, M.; Qurollo, M.; Doughty, D.; Scott, C.; Lappas, C.;
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                                                                      GB:AE007870; PIDN:AAK89833.1;
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Markelz,
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86.7%;

Score Pred.

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DB 2; 1.3e+02;

Length

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C;Accession: AC2995
C;Accession: AC2995
R;Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; R;Wood, D.W.; Setubal, J.C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, M.; Merage, G.; Gillet, W.; Grant, C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, M.; M.; Karp, P.; Romero, P.; Zhang, S.; Karp, P.; Romero, P.; Zhang, S.; Science 294, 2317-2323, 2001
Science 294, 2317-2323, 2001
A;Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-
                                             RESULT 39
H98327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R;Nierman, W.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, J. B.; Laub, M.T.; DeBoy, R.T.; Dodson, R.J.; Durkin, A.S.; Gwinn, M.L.; Haft, D.H.; Kolor n, J.; Ermolaeva, M.; White, O.; Salsey, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C.M. Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001
A;Title: Complete Genome Sequence of Caulobacter crescentus.
A;Reference number: A87249; MUID:21173698; PMID:11259647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Status: preliminary
A;Molecule type: DNA
A;Mesidues: 1-326 <KUR>
A;Cross-references: UNIFROT:Q8UA10; UNIFARC:UPI0000D2257; GB:AE008689; PIDN:AAL44377.1
A;Experimental source: strain C58 (Dupont)
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A;Reference number: AB2577; MUID:21608550; PMID:11743193
A;Accession: AC2995
enantiomer-selective amidase [import C;Species: Agrobacterium tumefaciens
                                                                                                                                                                                                                                                                                                                                                                 A;Status: preliminary
A;Molecule type: Dha
A;Residues: 1-337 <STO>
A;Cross-references: UNIPROT:Q9A9W4; UNIPARC:UPI00000C71BA; GB:AE005673; NID:g13422102;
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Gene: Atu3565
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Pred. No. 1.4e+02;
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Pred. No. 1.3e+02;
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                          Agrobacterium tumefaciens
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C;Date: 22-Oct-2001 #sequence_revision 22-Oct-2001 #text_change 09-Jul-2004 C;Accession: H99327 R;Goodner, B; Hinkle, G.; Gattung, S.; Miller, N.; Blanchard, M.; Qurollo, B.; Goldman, A.; Liu, F.; Wollam, C.; Allinger, M.; Doughty, D.; Scott, C.; Lappas, C.; Markelz, B.; Science 294, 2323-2328, 2001 Science 294, 2323-2328, 2001 Science 294, 2323-2328, 2001 A;Title: Genome Sequence of the Plant Pathogen and Biotechnology Agent Agrobacterium tume A;Reference number: A97359; MUID:21608551; PMID:11743194 A;Accession: H98327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Accession: AE2955
R;Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; erage, G.; Gillet, W.; Grant, C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, M.; I Karp, P.; Romero, P.; Zhang, S. Science 294, 2317-2323, 2001
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A;Map position: linear chromosome
C;Superfamily: indoleacetamide hydrolase
                                                                                                                                                                                                                                                                                                           A; Gene: gatA
A; Map position: linear chromosome
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A;Residues: 1-453 <KUR>
A;Cross-references: UNIPROT:Q8UAX4; UNIPARC:UPI0000D2126; GB:AE008689; PIDN:AAL44059.1;
A;Experimental source: strain C58 (Dupont)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       glutamyl-tRNA amidotransferase subunit A gatA [imported] - Agrobacterium tumefaciens
C;Species: Agrobacterium tumefacions
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A; Residues: 1-403 < KUR>
Search completed: December 14, Job time : 7.43103 secs
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                       MEDLINE-22255706; PubMed=12368865; DOI=10.1038/nature01099; Carlton J.M., Angivol S.V., Suh B.B., Kooij T.W., Pertea M., Silva J.C., Ermolaeva M.D., Allen J.E., Selengut J.D., Koo H.L., Seterson J.D., Pop M., Kosack D.S., Shumway M.F., Bidwell S.L., Shallom S.J., van Aken S.E., Riedmuller S.B., Feldblyum T.V., Shallom S.J., van Aken S.E., Riedmuller S.B., Feldblyum T.V., Cho J.K., Quackenbush J., Sedegah M., Shoabid A., Cummings M.A., Florens L., Yates J.R. III, Raine J.D., Sinden R.E., Harris M.A., Cunningham D.A., Preiser P.R., Bergman L.W., Vaidya A.B., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R., Salzberg S.L., Venter J.C., Fraser C.M., Hoffman S.L., Gardner M.
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Eukaryota; Alveolata; Ap
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Genome sequence and comparative analysis parasite Plasmodium yoelii yoelii.";
Nature 419:512-519 (2002)
-i- CAUTION: The sequence shown here is de
                                                                                                                                                             Gluconobacter oxydans (Gluconobacter suboxydans).
Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales;
                                                                                                                                                                                                                                        10-MAY-2005 (TrEMBLrel. 30, 10-MAY-2005 (TrEMBLrel. 30, 10-MAY-2005 (TrEMBLrel. 30,
                                                                                                                                                                                                                                                                                              Q5FQ59_GLUOX PRELIMINARY;
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Giardia lamblia ATCC
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01-MAR-2004
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    PubMed=15665824; DOI=10.1038/nbt1062;
Prust C., Hoffmeister M., Liesegang H
Ehrenreich A., Gottschalk G., Deppenm
                                                               STRAIN=621H
                                                                                                                                                                                                  OrderedLocusNames=GOX1748;
                                                                                                                                                                                                                      Bacterioferritin.
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                                                                               NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20163 MW;
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                    W16_ANOGA
Q7FW16_ANOGA PRELIMINARY;
Q7FW16;
Q7FW16;
01-MAR-2004 (TrEMBLrel. 26, L
01-MAR-2004 (TrEMBLrel. 26, L
01-MAR-2004 (TrEMBLrel. 26, L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE-11082910; PubMed=11214968;
Kaneko T., Nakamura Y., Sato S., Asamizu E., Kato T., Sasam Matanabe A., Idesawa K., Ishikawa A., Kawashima K., Kimura Kishida Y., Kiyokawa C., Kohara M., Matsumoto M., Matsuno A Mochizuki Y., Nakayama S., Nakazaki N., Shimpo S., Sugimoto Takeuchi C., Yamada M., Tabata S.;
"Complete genome structure of the nitrogen-fixing symbiotic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; BAC
Complete
     ENSANGP00000010646
                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Phyllobacteriaceae; Mesorhizobium.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mlr9389 protein.
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Q981G0;
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InterPro; IPR008331; Ferritin_Dps.
InterPro; IPR009040; Ferritin_like.
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1-OCT-2001 (TrEMBLrel. 18,
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L; BA000013; BAB54995.1; -;
plete proteome; Plasmid.
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GO:0005488; F:binding; IEA.
GO:0008199; F:ferric iron binding; IEA
GO:0006879; P:iron ion homeostasis; IE
GO:0006826; P:iron ion transport; IEA.
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Ruby E.G., Urbanowski M., Campbell J., Dunn A., Faini M., Gunsalus F.
Lostroh P., Lupp C., McCann J., Millikan D., Schaefer A., Stabb E.,
Stevens A., Visick K., Whistler C., Greenberg E.P.;
"Complete genome sequence of Vibrio fischeri: a symbiotic bacterium with pathogenic congeners.";
Proc. Natl. Acad. Sci. U.S.A. 102:3004-3009(2005).
EMBL; CP000020; AAW85886.1; "; Genomic DNA.
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OrderedLocusNames=VF1391;
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GO; GO:0008233; F:peptidase activity; IEA.
GO; GO:0004295; F:trypsin activity; IEA.
GO; GO:0030195; P:negative regulation of blood coagulation; IEA.
GO; GO:0030195; P:proteolysis and peptidolysis; IEA.
InterPro; IPR001314; Peptidase_S1A.
InterPro; IPR001254; Peptidase_S1A.
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Cul
Anophelinae; Anopheles.
NCBI_TaxID=180454;
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SMART; SM00020; Tryp SPC; 1.
PROSITE; PS50240; TRYPSIN_DOM; 1.
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                                                                       Complete
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CAUTION: The sequence shown here is derived EMBL/GenBank/DDBJ whole genome shotgun (WGS)
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PubMed=15618402; DOI=10.1073/pnas.0406656102;

Brayton K.A., Kappmeyer L.S., Herndon D.R., Dark M.J., Tibbals D.L.,

Palmer G.H., McGuire T.C., Knowles D.P. Jr.;

"Complete genome sequencing of Anaplasma marginale reveals that the
surface is skewed to two superfamilies of outer membrane proteins.";

Proc. Natl. Acad. Sci. U.S.A. 102:844-849(2005).

EMBL; CP00030; AAV86874.1; -; Genomic_DNA.

Complete proteome; Hypothetical protein.

Complete proteome; Hypothetical protein.
-!- SIMILARITY: Belongs to the adenosylhomocysteinase EMBL; AY233397; AAP45630.1; -; Genomic_DNA. HSSP; P10760; 1B3R.
SMR; Q7YUPO; 4-437.
GO; GO:0004013; F:adenosylhomocysteinase activity; IEA GO; GO:0016787; F:hydrolase activity; IEA.
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                                                                                                                                                                                                                                                                                                                                              "Trypanosoma cruzi: molecular cloning adenosylhomocysteine hydrolase."; Exp. Parasitol 105:149-158(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE:
PubMed=14969692; DOI=10.1016/j.exppara.2003.10.001;
Parker N.B., Yang X., Hanke J., Mason K.A., Schowen
Borchardt R.T., Yin D.H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma; Schizotrypanum.
NCBI_TaxID=5693;
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01-OCT-2003 (TrEMBLrel. 25, Last seq
01-OCT-2004 (TrEMBLrel. 26, Last ann
S-adenosylhomocysteine hydrolase (EC
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Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales;
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OrderedLocusNames=AM981;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TRYCR
                                                                                                                                                                                                     homocysteine + adenosine.
COFACTOR: NAD (By similarity).
PATHWAY: Activated methyl cycle.
                                                                                                                                                                                                                                                                                                           CATALYTIC ACTIVITY: S-adenosyl-L-homocysteine
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5; Conserv
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Pred. No.
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annotation update)
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EMBL; AJ320523; CAC86886.1; -; Genomic_DNA.

GO; GO:0016020; C:membrane; IEA.

GO; GO:0005489; F:electron transporter activity; IEA.

GO; GO:0005506; F:iron ion binding; IEA.

GO; GO:0046872; F:metal ion binding; IEA.

GO; GO:0046872; F:moxidoreductase activity; IEA.

GO; GO:0016491; F:oxidoreductase activity; IEA.

GO; GO:0006118; P:electron transport; IEA.

InterPro; IPR001285; Fum_reductase_C.

Pfam; PF00037; Fer4; 1.

PROSITE; PS00198; 4FEAS FERREDOXIN; 2.
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01-OCT-2002 (TrEMBLrel. 22, Last
01-MAR-2004 (TrEMBLrel. 26, Last
01-MAR-5bound Nife hydrogenase.
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QBNKV4;
Q1-OCT-2002 (TrEMBLrel. 2)
                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                           Transport.
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MEDLINE=22830413; PubMed=12949162;
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SEQUENCE
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Pred. No. 1e+
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RESULT

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Q856Y5_9CAUD E
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AC Q856Y5;
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DB G949.
OS Mycobacterioph
OC Viruses; dsDNJ
OX NCBL TaxID=20;
RN NUCLEOTIDE SEC
RX MEDLINE=22592¢
RA Pedulla M.L.,
RA Pedulla M.L.,
RA Frükov J., Li
RA Kriakov J., Li
RA Kriakov J., Li
RA Hatfull G.F.;
RT "Origins of hi
RI Cell 113:171-1
DR EMBL; AY12933
SQ SEQUENCE 45!
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ID Q5LHN9 B
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Q5LHN9;
Q1-FEB-2005 (TrEMBLrel. 29, C
Q1-FEB-2005 (TrEMBLrel. 29, L
Q1-FEB-2005 (TrEMBLrel. 29, L
Hypothetical protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bacteroides fragilis (strain ATCC 25285 / NCTC 9343).
Bacteria; Bacteroidetes; Bacteroidetes (class); Bacteroidales;
Bacteroidaceae; Bacteroides.
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MEDLINE=22592660; Pu
Pedulla M.L., Ford N
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                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                    Complete
                                                                                                                                                                                                                                                                                                                                                                                                                       gene expression.";
Science 307:1463-1465(2005).
EMBL; CR626927; CAH06341.1; -; Genomic
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PubMed=15746427; DOI=10.1126/science.1107008;
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Pred. No. 1.3e+02;
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RESULT 14
Q4QD18 LEIMA PRELIMINARY;
ID Q4QD18;
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DT 13-SEP-2005 (TrEMBLrel. 31, L;
DT 13-SEP-2005 (TrEMBLrel. 31, L;
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DT 13-SEP-2005 (TREMBLREL. 31, L;
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PROSITE; PS000
ATP-binding; I
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PubMeda14671304; DOI=10.1126/science.1088727;

Methe B.A., Nelson K.E., Eisen J.A., Paulsen I.T., Nelson W.C.,

Heidelberg J.F., Wu D., Wu M., Ward N.L., Beanan M.J., Dodson R.J.,

Madupu R., Brinkac L.M., Daugherty S.C., DeBoy R.T., Durkin A.S.,

Gwinn M.L., Kolonay J.F., Sullivan S.A., Haft D.H., Selengut J.,

Davidsen T.M., Zafar N., White O., Tran B., Romero C., Forberger H

Weidman J.F., Khouri H.M., Feldblyum T.V., Utterback T.R.,

Van Aken S.B., Lovley D.R., Fraser C.M.;
                                          EMBL; CT005259; CAJ03601.1; -; Genomic_DNA.
InterPro; IPR011704; AAA_5.
InterPro; IPR003593; AAA_ATPase.
InterPro; IPR012099; Midasin.
InterPro; IPR012079; Si354_interact.
Pfam; PF07728; AAA_5; 5.
PIRSF; PIRSF010340; Midasin; 1.
                                                                                                                                             Peacock C.S., Murphy L., Ivens A.C., Berriman M., Blackw
Smith D., Collins M., Fosker N., Harris D., Oliver K., O
Saunders D., Seeger K., Warren T., Rajandream M., and Ba
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO; GO:0016020; C:membrane; IEA.
GO; GO:0004871; F:signal transducer act
GO; GO:0006835; P:chemotaxis; IEA.
GO; GO:0007165; P:signal transduction;
InterPro; IPR004089; Chmtaxis transd.
Pfam; PF00015; MCPsignal; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, Methyl-accepting Chemotaxis OrderedLocusNames=GSU1287;
                                                                                                                                                                                                                                                                 Leishmania major.
Eukaryota; Euglenozoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE; PS50111; CHEMOTAXIS_TRANSDUC_2; Complete proteome.
SEQUENCE 627 AA; 67402 MW; D299118D9:
                                                                                                                                                                                                       STRAIN-Friedlin;
                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; AE017180; AAR34663.1; TIGR; GSU1287; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         environments."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=35554;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Geobacter sulfurreducens.
                                                                                                                                                                                                                                                   NCBI_TaxID=5664;
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                SM00382; AAA;
E; PS00675; SIG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            591
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SIGMA54_INTERACT_1; 1.
Lhetical_protein; Membrane; Nucleotide-binding;
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                                                                                                                                                                                                                                                                  Kinetoplastida;
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Pred. No. 1.5e+02;
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                                                                                                                                                           , Blackwell J., er K., O'Neil S., and Barrell B.
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RESULT 16
QBGQM5_SERMA ID QBGQM5;
DT 01-MAR-2003 (7)
DT 01-MAR-2003 (7)
DT 01-JUN-2003 (7)
DT 01-JUN-2003 (7)
DE Hypothetical I
OS Serratia marce
OC Bacteria; Prot
OC Enterobacteria
OC NCBI TaxID=618
OX NCBI TaxID=618
OX MFDLINE=222428
RA HORIGY ST., DE
RA HORIGY ST., DE
RA HORIGY ST., Swift
RT marcescens.";
RL Mol. Microbiol
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Matches 4
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Matches 5
                      NUCLEOTIDE SEQUENCE.

MEDLINS=22842519; PubMed=12354232;

HOTNG Y.T., Deng S.C., Daykin M., Soo P.C., Wei J.R.,

HO S.W., Swift S., Lai H.C., Williams P.;

"The LuxR family protein Spin functions as a negative acylhomoserine lactone-dependent quorum sensing in Senarcescens.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                meningitidis Z2491.";
Nature 404:502-506(2000).
EMBL; AL162755; CAB84533.1;
PIR; C81896; C81896.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Parkhill J., Achtman M., James K.D., Bentley S.D., Churcher C.M., Klee S.R., Morelli G., Basham D., Brown D., Chillingworth T., Klee S.R., Davis P., Devlin K., Feltwell T., Hamlin N., Holroyd S., Jagels K., Leather S., Moule S., Mungall K.L., Quail M.A., Rajandream M.A., Rutherford K.M., Simmonds M., Skelton J., Whitehead S., Spratt B.G., Barrell B.G.;
"Complete DNA sequence of a serogroup A strain of Neisseria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE.

STRAIN=Z2491 / Serogroup A / Serotype 4A;

MEDLINE=20222556; PubMed=10761919; DOI=10.1038/35006655;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-UN-2003 (TrEMBLrel. 24, Last annotation update)
Hypothetical protein NMA1281.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QJUUJ8 NEIMA PRELIMINARY;
Q9JUUJ8;
01-OCT-2000 (TrEMBLrel. 1)
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SEQUENCE
                                                                                                                                                                                                                                                                                              Serratia marcescens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Complete proteome; SEQUENCE 61 AA;
                                                                                                                                                                                                                                                                          Bacteria; Proteobacteria;
                                                                                                                                                                                                                                                                                                                        Hypothetical protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Neisseria meningitidis (serogroup A).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OrderedLocusNames=NMA1281;
                                                                                                                                                                                                                       NCBI_TaxID=615;
                                                                                                                                                                                                                                              Enterobacteriaceae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=65699;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Neisseriaceae; Neisseria.
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     Microbiol.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 RYTMH 5
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                                                                                                                                                                                                                                                                                                                                            3 (TrEMBLrel. 23,
3 (TrEMBLrel. 23,
3 (TrEMBLrel. 24,
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                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       48
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     45:1655-1671(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hypothetical protein. 7248 MW; 9BD96B175BD4BFA4 CRC64;
                                                                                                                                                                                                                                                 Serratia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100
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                                                                                                                                                                                                                                                                        Gammaproteobacteria; Enterobacteriales;
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Pred. No. 69;
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                                                                            as a negative regulator
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                                                  in Serratia
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                                                                                                                         Х. H.,
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RESULT 18
Q868H1 LEIME
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HO S.-W., Swift S., Williams P.;
Submitted (JUN-2001) to the EMBL/GenBank/DDBJ (
EMBL; AF389912; AAN52590.1; -; Genomic DNA.
InterPro; IPR007712; Plasmid stabil.
Pfam; PF05016; Plasmid stabil; 1.
Hypothetical protein.
SEQUENCE 99 AA; 11769 MW; FE198AGBEB149A4B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Evaluation and characterization of a porcine small intestine library: analysis of 839 clones.";

Mamm. Genome 7:509-517(1996).

EMBL; F14589; CAA23140.1; -; mRNA.

HSSP; P02829; 1USU.

G0; G0:0004872; F:enceptor activity; IEA.

G0; G0:0051082; F:unfolded protein binding; IEA.
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Eukaryota; Metazoa;
Mammalia; Eutheria;
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01-NOV-1996 (TrEMBLrel. 01, I
01-MAR-2004 (TrEMBLrel. 26, L
Tumor necrosis factor type 1
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                     Name=icp;
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MEDLINE=96327607; PubMed=8672129; DOI=10.1007/8003359900153;
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RESULT 20
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ID Q868G9_LEIMA F
AC Q868G9;
DT 01-JUN-2003 (7)
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25-CCT-2004 (TrEMBLrel. 28, Last sequence update)
25-CCT-2004 (TrEMBLrel. 28, Last annotation update)
Mitogen-activated protein kinase-like.
Name=CSJNBB0035114.5-4;
Oryza sativa (iacca-
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Q5ZCIO;
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
NCBI_TaxID=39947;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=22615569; PubMed=12729889; DOI Sanderson S.J., Westrop G.D., Scharfst Coombs G.H., Sanderson S.J.; "Functional conservation of a natural protozoan and bacterial pathogens."; FEBS Lett. 542:12-16(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "The genome sequence and structure of rice chromosome 1.";
Nature 420:312-316(2002).
EMBL; AP003220; BAD61404.1; -; Genomic DNA.
GO; GO:0016301; F:kinase activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
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NCBI_TaxID=5665;
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AJ548776; CAD68975.1; -; Genomic DNA.
NCB 113 AA; 12733 MW; E75773C763897ECD
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4; Conserv
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                      (TrEMBLrel. 24,
                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                        PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12419 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                90.0%;
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                         Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 27;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 27; DB 2;
Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B32FB29C53C089D6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
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       RESULT 21
Q521B3 M
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RA Ait-zahra M., Allen N., Allen T., An P., Anderson M., Anderson S.,
RA Ait-zahra M., Allen N., Allen T., An P., Anderson M., Anderson S.,
RA Arachthi H., Armbruster J., Bachantsang P., Baldwin J., Barry A.,
RA Bayul T., Blitshsteyn B., Bloom T., Blye J., Boguslavskiy L.,
RA Borowsky M., Boukhgalter B., Brunache A., Butler J., Calixte N.,
RA Calymore A., Considine T., Cook A., Cooke P., Corum B., Cuomo C.,
RA Collymore A., Considine T., Cook A., Cooke P., Corum B., Cuomo C.,
RA David R., Dawoe T., Degray S., Dodge S., Dooley K., Dorje P.,
David R., Dawoe T., Degray S., Dodge S., Dooley K., Dorje P.,
RA Brickson J., Farina A., Faro S., Ferreira P., Fischer H.,
RA Fitzgerald M., Foley K., Gage D., Galagan J., Gearin G., Gnerre S.,
RA Gnirke A., Goyette A., Graham J., Grandbois E., Gyaltsen K., Hafez N.,
RA Hagopian D., Hagos B., Hall J., Hatcher B., Heller A., Higgins H.,
RA Honan T., Horn A., Houde N., Hughes L., Hulme W., Husby E., Iliev I.,
Jaffe D., Jones C., Kamal M., Kamat A., Kamvysselis M., Karlsson E.,
RA Kells C., Kieu A., Kisner P., Kodira C., Kulbokas E., Labutti K.,
RA Lama D., Landers T., Leger J., Levine S., Lewis T.,
Lawis T.,
Lama D., Landers T., Leger J., Levine S., Lewis D., Lewis T.,
RA Lindblad-toh K., Liu X., Lokyitsang T., Lokyitsang Y., Lucien O.,
Lui A., Ma L.J., Mabbitt R., Macdonald J., Maclean C., Mauceli E.,
RA Manning J., Marabella R., Maru K., Matthews C., Mauceli E.,
RA McCarthy M., Mcdonough S., McGhee T., Meldrim J., Meneus L.,
Moru K.,
RA Mesirov J., Mihalev A., Mihova T., Mikkelsen T., Mlenga V., Moru K.,
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Best Local
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MEDLINE=22615569; PubMed=12729889; DOI=10.1016/S0014-5793(03)00327-2;
Sanderson S.J., Westrop G.D., Scharfstein J., Mottram J.C.,
Coombs G.H., Sanderson S.J.;
"Functional conservation of a natural cysteine peptidase inhibitor in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AJ548878; CAD69563.1; -; Genomic DNA.
EMBL; CT005263; CAJ05225.1; -; Genomic DNA.
SEQUENCE 117 AA; 12979 MW; CA5041930475B18D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=70-15
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Sordariomycetes incertae sedis;
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Q52183;
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FEBS Lett. 542:12-16(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Leishmania major.
Eukaryota, Euglenozoa, Kinetoplastida, Trypanosomatidae, Leishmania.
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Name=icp; ORFNames=LmjF24.1770;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=Friedlin;
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pezizomycotina; Sordariomycetes;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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Hafez N.,

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Barrell O'Neil

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A Jaffe D., FitzHugh W., Ma L.-J., Smirnov S., Purcell S., Rehman B.,

A Elkins T., Engels R., Wang S., Nielsen C.B., Butler J., Endrizzi M.,

Qui D., Ianakiev P., Pedersen D., Nelson M., Washburne M.,

A Selitrennikoff C.P., Kinsey J.A., Braun E.L., Zelter A., Schulte U.,

Kothe G.O., Jedd G., Mewes W., Staben C., Marcotte E., Greenberg D.,

Kothe G.O., Jedd G., Mewes W., Staben C., Marcotte E., Greenberg D.,

Kothe G.O., Jedd G., Mewes W., Staben C., Marcotte E., Greenberg D.,

Kothe G.O., Jedd G., Mewes W., Staben C., Marcotte E., Greenberg D.,

Kamal M., Kamyssells M., Maucell E., Bielke C., Rudd S., Frishman D.,

Kamal M., Kamyssells M., Maucell E., Bielke C., Rudd S., Frishman D.,

Krystofova S., Rasmussen C., Metzenberg R.L., Perkins D.D., Kroken S.,

Cogoni C., Macino G., Catcheside D., Li W., Pratt R.J., Osmani S.A.,

DeSouza C.C., Glass L., Orbach M.J., Berglund J., Voelker R.,

Yarden O., Plamann M., Seiler S., Dunlap J., Radford A., Aramayo R.,

Natvig D.O., Alex L.A., Mannhaupt G., Ebbole D.J., Freitag M.,
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M. Nguyen N., Nguyen T., Nicol R., Nielsen C., Nizzari M., Norbu C.,

A Norbu N., O'donnell P., Okoawo O., O'leary S., Omotosho B.,

A O'neill K., Osman S., Parker S., Perrin D., Phunkhang P., Piqani B.,

M. Purcell S., Rachupka T., Ramasamy U., Rameau R., Ray V., Raymond C.,

A Purcell S., Rachupka T., Ramasamy U., Rameau R., Ray V., Raymond C.,

A Rutman M., Schupbach R., Seaman C., Settipalli S., Sharpe T.,

A Sheridan J., Sherpa N., Shi J., Smirnov S., Smith C., Sougnez C.,

Spencer B., Stone C., Stone S., Stubbs M., Talamas J., Tchuinga P.,

A Stetson K., Stone C., Stone S., Stubbs M., Talamas J., Tchuinga P.,

A Stenzing P., Tesfaye S., Theodore J., Thoulutsang Y., Topham K.,

A Venkataraman V., Vinson J., Vo A., Wade C., Wang S., Wangchuk T.,

Wang S., Yang X., Yeager S., Yee E., Young G., Zainoun J., Zembeck L.

Yang S., Yang X., Yeager S., Yee E., Young G., Zainoun J., Zembeck L.

"The genome sequence of Magnaporthe grisea.";

submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               075055;
075055;
01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Neurospora crassa.

Bukaryota; Fungi; Ascomycota; Pezizomycotina;

Sordariomycetidae; Sordariales; Sordariaceae;

NCBI_TaxID=5141;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Predicted protein. Name=NCU09330.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              preliminary data.
EMBL; AACU01000795; EAAS2495.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 121 AA; 13208 MW; BF676C57BC2F94EB
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Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
-I- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=OR74A;
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1; Mismatches 0;
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                                      A., Aramayo R.
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XU7 METMP
XU7 METMP PRELIMINARY;
QGLXU7;
Q6LXU7;
05-JUL-2004 (TremBLrel. 27,
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NUCLEOTIDE SEQUENCE.

STRAIR=S2 / LL;

STRAIR=S2 / LL;

PubMed=15466049; DOI=10.1128/JB.186.20.6956-6969.2004;

Hendrickson B.L., Kaul R., Zhou Y., Bovee D., Chapman I.

Conway de Macario E., Dodsworth J.A., Gillett W., Grah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Khamadi S.A., Ochieng W., Lihana R.W., Kiptoo M.K., Kiny Lagat N., Muriuki J., Mwangi J., Pelle R., Muigai A., Ca Yamada R., Mpoke S.; "Genetic Diversity of HIV-1 Subtypes Circulating in Nort Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases. EMBL; AY952843; AAX55880.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL/GenBank/DDBJ whole genome
    preliminary data.
EMBL; AABX01000064; EAA34688.1; -;
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-I- CAUTION: The sequence shown here is derived from an
                                                                                                                                                                                                                               6-pyruvoyl tetrahydropterin
OrderedLocusNames=MMP1250;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Viruses; Retroid viruses; Retroviridae; Lentivirus;
Primate lentivirus group.
NCBI_TaxID=11676;
                                                                                                                                                             Archaea; Euryarchaeota; Methanococci; Methanococcaceae; Methanococcus.
                                                                                                                                                                                                            Methanococcus maripaludis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
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9HIV1
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165 AA;
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18972 MW;
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Pred. No.
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Pred. No.
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B4E2A3286B6ZAE04 CRC64;
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R., Muigai A., Carter
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RESULT 26
QGT4V7 9MAGN
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AC QGT4V7;
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DT 05-UUL-2
DT 05-UUL-2
DT 05-UUL-2
DT PISTILLAR
OS Thottea
OC Eukaryot
OC Spermato
OC Thottea
OX NCBI_Tax
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A Major T.A., Moore B.C., Porat I., Palmeiri A., Rouse G.,

A Saenphimmachak C., Soell D., Van Dien S., Wang T., Whitman i

Xia Q., Zhang Y., Larimer F.W., Olson M.V., Leigh J.A.;

"Complete genome sequence of the genetically tractable

Thydrogenotrophic methanogen Methanococcus maripaludis.";

J. Bacteriol. 186:6956-6969 (2004)

L. Batteriol. 186:6956-6969 (2004)

R EMBL, BX957222; CAF30806.1; -; Genomic_DNA.

R Pfam, PFO1242; PTPS, 1.

R PIRSF; PIRSF006113; PTP syn; 1.

R PIRSF; PIRSF006113; PTP syn; 1.

R PODDOM; PD004049; PTPS hypoth; 1.
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5418 HUMAN
OT5418 HUMAN PRELIMINARY; PRT;
O15418;
O1-JAN-1998 (TrEMBLrel 05, Created)
O1-JAN-1998 (TrEMBLrel 05, Last seque
O1-OCT-2002 (TrEMBLrel 22, Last annot
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                        Thottea siliquosa.
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
enermatophyta; Magnoliophyta; magnoliids; Piperales; Aristolochiaceae;
                                                                                                                              05-JUL-2004 (TYEMBLrel. 27, Created)
05-JUL-2004 (TYEMBLREL 27, Last sequence update)
05-JUL-2004 (TYEMBLREL 27, Last annotation update)
PLSTILLATA-like protein PI-1 (Fragment).
                                                                                                                                                                                                                                         Q6T4V7_9MAGN
Q6T4V7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=97369492; PubMed=9225980; DOI=10.1007/8004390050476; Margolis R.L., Abraham M.R., Gatchell S.B., Li S.-H., Kidwai A.S. Breschel T.S., Stine O.C., Callahan C., McInnis M.G., Ross C.A.; "cDNAs with long CAG trinucleotide repeats from human brain."; "thum. Genet. 100:114-122(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (Human).
Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CAGL114 protein (Fragment).
Name=TNRC21; Synonyms=CAGL114;
Homo sapiens (Human).
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SEQUENCE
     NCBI_TaxID=213843;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
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Pred. No. 2e+0
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RESULT 27
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ID Q6F7A6_ACIAD P
AC Q6F7A6;
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Best Local
                                                                                                                                                                                                       Complete proteome; Hypothetical protein. SEQUENCE 189 AA; 21242 MW; 79A5395B574E0C11 CRC64;
                                                                                                                                                                                                                                                                                                    Barbe V., Vallenet D., Fonknechten N., Kreimeyer A., Oztas S., Labarre L., Cruveiller S., Robert C., Duprat S., Wincker P., Ornston L.N., Weissenbach J., Marliere P., Cohen G.N., Medigue C.; "Unique features revealed by the genome sequence of Acinetobacter ADP1, a versatile and naturally transformation competent bacterium Nucleic Acids Res. 32:5766-5779(2004).

EMBL; CR543861; CAG70059.1; -; Genomic DNA.
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
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InterPro; IPR002100; TF_MADSbox.
Pfam; PF01486; K-box; 1.
Pfam; PF00319; SRF-TF; 1.
SMART; SM00432; MADS; 1.
PROSITE; PS50066; MADS_BOX_2; 1.
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Mol. Biol. Evol. 21:506-519(2004).
EMBL; AY436708; AAR87669.1; -; mRNA.
GO; GO:0005634; C:nucleus; IEA.
GO; GO:0003700; F:transcription factor activity; IEA.
GO; GO:0006355; P:regulation of transcription, DNA-dependent;
GO; GO:0006350; P:transcription; IEA.
                                                                                                                                                                                                                                                           InterPro; IPR008523; DUF805.
Pfam; PF05656; DUF805; 1.
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PubMed=14694075; DOI=10.1093/molbev/msh044;
Stellari G.M., Jaramillo M.A., Kramer E.M.;
Stellari G.M., Jaramillo M.A. Branch I.STILLATA 1:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA-binding; Nuclear protein;
163
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182 AA;
                                                                                                     Conservative
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Gammaproteobacteria; Pseudomonadales;
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Pred. No. 2.2e+02;
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RESULT 28
Q5FR26 GLUOX
D5FR26 GLUOX PRELIMINARY;

PRT;

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Q91714 PSEAE
ID Q91714 PARAP-2
DT 01-MAR-2
DT 101-MAR-2
DT 01-MAR-2
DT 101-MAR-2
DT 01-MAR-2
DT 101-MAR-2
DT 101-MAR-2
DT 101-JUN-2
DR Hypothet
RN CHETTAR
OC PBeudomo
OX NCBI Tax
RN NCBI Tax
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RN Hickey MEDLINEA
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10-MAY-2005
10-MAY-2005
10-MAY-2005
                                                               Pfam; PFO
Complete
SEQUENCE
                                                                                                                        transferring its disulfide-bond formation. Actransferring its disulfide bond to other proteins its SUBCELIUIAR LOCATION: Periplasmic (By similarity).

EMBL; AE004450; AAG03508:1; -; Genomic_DNA.

PIR; G83629; G83629.

G0; G0:0030288; C:periplasmic space (sensu Gram-negation G0; G0:0030288; C:periplasmic space (sensu Gram-negation G0; G0:0015035; F:protein disulfide oxidoreductase actinterPro; IPR012336; Thioredoxin-like.
                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.

STRAINATCC 15692 / PAO1;

STRAINATCC 15692 / PAO1;

MEDLINE=20437337; PubMed=10984043; DOI=10.1038/35023079;

MEDLINE=204473337; PubMed=10984043; DOI=10.1038/35023079;

Stover C.K., Pham X.-Q.T., Erwin A.L., Mizoguchi S.D., Warrener P.,

Hickey M.J., Brinkman F.S.L., Hufnagle W.O., Kowalik D.J., Lagrou M.

Garber R.L., Golltry L., Tolentino E., Westbrock-Wadman S., Yuan Y.,

Brody L.L., Coulter S.N., Folger K.R., Kas A., Larbig K., Lim R.M.,

Smith K.A., Spencer D.H., Wong G.K.-S., Wu Z., Paulsen I.T.,

Reizer J., Saler M.H. Jr., Hancock R.E.W., Lory S., Olson M.V.;

"Complete genome sequence of Pseudomonas aeruginosa PAO1, an

opportunistic pathogen.";

Nature 406:959-964(2000).
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OrderedLocusNames=GOX1419;
Gluconobacter oxydans (Gluconobacter suboxydans).
Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales;
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OrderedLocusNames=PA0118;
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01-JUN-2003
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Bacteria; Proteobacteria; Gammaproteobacteria;
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, CP000009; AAW61170.1; -; Gent

lete proteome; Hypothetical protectical

ENCE 195 AA; 21756 MW; 3681
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195 AA;
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2.4e+02;
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DOI=10.1128/JB.185.3.1018-1026.2003;
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Burkholderiaceae; Burkholderia; Burkholderia cepacia complex.
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Larimer F., Land M.;
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Copeland A., Lucas S., Lapidus A., Barry K.,
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A Dujon B., Sharman D., Fischer G., Durrens P., Casaregola S.,
A Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla E.,
A Goffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe
A Goffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe
A Barnay S., Blanchin S., Beckerich J.-M., Beyne E., Bleykasten C.,
A Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A
Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A
A Despons L., Fabre E., Fairhead C., Ferry-Dumazet H., Groppi A.,
A Despons L., Fabre E., Fairhead C., Ferry-Dumazet H., Groppi A.,
A Micaud J.-M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
A Nicaud J.-M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
A Pellenz S., Potier S., Richard G.-F., Straub M.-L., Suleau A.,
A Pellenz S., Potier S., Richard G.-F., Straub M.-L., Suleau A.,
A Semion D., Tekala F., Wesolowski-Louvel M., Westhof E., Wirth B.,
A Semion-Meyer M., Zivanovic V., Bolotin-Enthylasar M. Mitchard M.,
A Semion-Meyer M., Zivanovic V., Bolotin-Enthylasar M. Mitchard M.,
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                                                                                                                                                Complete
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kluyveromyces lactis (Yeast).
Kluyveromyces lactis (Yeast).
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetales; Saccharomycetaceae; Kluyveromyces
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             O6CNC3;
25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
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Carrer H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similar to sp|P40080 Saccharomyces protein singleton.
                                                                                                                                                                                                                                      Bouchier C., Caudron B., Scarpelli Wincker P., Souciet J.-L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OrderedLocusNames=KLLA0E13695g;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL;
                                                                                                                                                                                                                                                                           Zeniou-Meyer M., Zivanovic Y.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=28985;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Comparative analyses of the complete genome sequences of Pierce's disease and citrus variegated chlorosis strains of Xylella
                                                                                                                                                                                                         Nature
                                                                                                                                                                                                                      "Genome evolution in yeasts.";
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KLULA
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 148
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AE012559; AAO29410.1; -; Genomic DNA.
ete proteome; Hypothetical protein.
                                                                                                                                              e 430:35-44(2004).
CR382125; CAG99553.1; -; Genomic DNA.
ete proteome; Hypotherical protein.
NCE 205 AA; 23939 MW; 9A94EC0B4C06
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 RYTLH 152
                                   RYTMH 5
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Pred. No. 2.5e
1; Mismatches
                                                                        Score 27; DB 2;
Pred. No. 2.5e+02;
1; Mismatches 0
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9A94EC0B4C061B40 CRC64;
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RESULT 34
Q7XY45 GRIJA
ID 707XY45-GRIJA PRELIMINARY;
AC Q7XY45;
DT 01-OCT-2003 (TrEMBLrel. 25,
DT 01-FAR-2004 (TrEMBLrel. 26,
DT 01-MAR-2004 (TrEMBLrel. 26,
DE Dnad-like protein (Fragment.
OS Griffitheia japonica (Red a.
OC Eukaryota, Rhodophyta; Florr
OC Griffitheia.
OX NCBI_TaxID=83288;
RN [1]
RP NUCLEOTIDE SEQUENCE.
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RX Simpson A.J.G., Reinach F.C., Arruda P., Abreu F.A., Acencio M.,
RA Alvarenga R., Alves L.M.C., Araya J.E., Baia G.S., Baptista C.S.,
RA Alvarenga R., Alves L.M.C., Araya J.E., Baia G.S., Baptista C.S.,
RA Alvarenga R., Bonaccorsi E.D., Bordin S., Bove J.M., Briones W.R.S.,
RA Bueno M.R.P., Camargo A.A., Camargo L.E.A., Carraro D.M., Carrer H.,
RA Coutinho L.L., Cristofani M., Dias Neto E., Docena C., El-Doxry H.,
RA Facincani A.P., Ferreira A.J.S., Ferreira V.C.A., Ferro J.A.,
RA Facincani A.P., Ferreira A.J.S., Frohme M., Furlan L.R.,
RA Fraga J.S., Kuramae E.E., Laigret F., Lombais M.R., Leite L.C.C.,
RA Krieger J.E., Kuramae E.E., Laigret F., Lambais M.R., Leite L.C.C.,
RA Krieger J.E., Kuramae E.E., Laigret F., Lambais M.R., Machado J.A.,
RA Marques M.V., Martins E.A.L., Martins E.M.F., Machado J.A.,
RA Marques M.V., Martins E.A.L., Martins E.M.F., Matsukuma A.Y.,
RA Manck C.F.M., Miracca E.C., Niyaki C.Y., Monteiro-Vitorello C.B.,
RA Manch C.F.M., Miracca E.C., Niyaki C.Y., Monteiro-Vitorello C.B.,
RA Moon D.H., Nagai M.A., Nascimento A.L.T.O., Netto L.E.S.,
RA Monto B.R., Pereira G.A.G., Pereira H.A. Jr., Pesquero J.B.,
RA Quaggio R.B., Roberto P.G., Rodrigues V., de Rosa A.J.M.,
RA Censon S. R.G., Santelli R.V., Sawasaki H.E.,
RA de Silve A.C., de Silve B.M., de Silve F.R., Silve W.A. Jr.,
RA de Souza A.P., Terenzi M.F., Trufff D., Tsai S.M., Tsuhako M.H.,
RA de Souza A.P., Terenzi M.F., Trufff D., Tsai S.M., Tsuhako M.H.,
RA Zago M.A., Zatz M., Meidanis J., Setubal J.C.;
"The cenome seconence of the plant pathogen Xviella fastidiosa":
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OSPESA;
OSPESA;
O1-OCT-2000 (TremBirel 15, C:
01-OCT-2000 (TremBirel 24, L
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01-OCT-2003 (TrEMBLrel. 25,
01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                               DnaJ-like protein (Fragment).
Griffithsia japonica (Red alga).
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EMBL; AE003904; AAF83393.1; -; Genomic_DNA.
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Complete proteome; Hypothetical protein.
SEQUENCE 205 AA; 23071 MW; 773FD86D1E4BA882 CRC64;
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Xanthomonadaceae; Xylella
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1; Mismatches 0
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A Wu J., Niimura Y., Cheng Z., Nagamura Y., Antonio B.A., Kanamori H.,
A Hosokawa S., Masukawa M., Aritawa K., Chiden Y., Hayashi M.,
A Hosokawa S., Honda M., Ichikawa Y., Idohamada M., Harada C.,
A Hijishita S., Honda M., Ichikawa Y., Idoh M., Iijima M., Ikeda M.,
A Hijishita S., Honda M., Ichikawa Y., Idoh Y., Iwabuchi A., Kamiya K.,
A Karasawa W., Katagiri S., Kikuta A., Kobayashi N., Kono I.,
A Karasawa W., Katagiri S., Kikuta A., Kobayashi N., Kono I.,
A Machita K., Maehara T., Mizuno H., Mizubayashi T., Mukai Y.,
A Machita K., Maehara T., Mizuno H., Mizubayashi T., Mukai Y.,
A Namiki N., Negishi M., Ohta I., Ono N., Saji S., Sakai K., Shibata M.,
A Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Teuji K.,
A Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Teuji K.,
A Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Teuji K.,
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A Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Teuji K.,
A Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Teuji K.,
A Yano M., Jiang J., Gojobori T.,
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NON_TER
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SEQUENCE
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Name=OSJNBb0035I14.5-3;
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HSSP; P25491; 1NLT.

GO; GO:0031072; F:heat shock protein binding; IE
GO; GO:0051082; F:unfolded protein binding; IEA.
GO; GO:006457; P:protein folding; IEA.
InterPro; IPR002399; DnaJ_CXXCXGXG.
InterPro; IPR003395; Hsp_DnaJ.
InterPro; IPR003395; Hsp_DnaJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "The genome sequence and structure of rice chromosome 1."; Nature 420:312-316(2002).
EMBL; AP003220; BAD61403.1; -; Genomic_DNA.
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Lilliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR003095; Hep_DnaJ.
Pfam; PF001556; DnaJ_CXCXCX.
Pfam; PF00684; DnaJ_CXXCXGXG; 1.
PRINTS; PR00625; DNAJPROTEIN.
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Submitted (/
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ORYSA
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                                                                                  RYTMH 5
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(AUG-2002) to
                                                                                                                                                                                                                                                                                                                                                 208
                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                   BAD61403.1; -; Genomic_DNA. F:kinase activity; IEA.
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22267 MW;
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                                                                                                                                                                    Score 27; DB 2;
Pred. No. 2.5e+02;
1; Mismatches 0
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Pred. No. 2.5e+02;
1; Mismatches 0
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                                                                                                                                                                                                                                                                                                                                                 SEC00EB5B80A2937 CRC64;
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QAUIDGO PAUIDGO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  á
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                                                                                            The genome sequence of Bifidobacterium longum reflects its adaptation to the human gastrointestinal tract.";

Proc. Natl. Acad. Sci. U.S.A. 99:14422-14427(2002).

EMBL; AE014295; AAN24979.1; -; Genomic DNA.

GO; GO:0016829; F:lyase activity; IEA.

GO; GO:0004730; F:pseudouridine synthase activity; IEA.

GO; GO:0004730; F:RNA binding; IEA.

GO; GO:0003723; F:RNA binding; IEA.

GO; GO:0003723; F:RNA processing; IEA.

GO; GO:0006396; P:RNA processing; IEA.

InterPro; IPR006145; PseudoU synth.

R InterPro; IPR006145; PseudoU synth.

R Pfam; PF00849; PseudoU synth.

R Pfam; PF00849; PseudoU synth.

R PfCOSITE; PS01129; PS1_RLU;

NR PROSITE; PS01129; PS1_RLU;

NR Complete proteome; Isomerase.

SEQUENCE 233 AA; 26596 MW; 1D78278988C6F6CF CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE (LARGE SCALE GE
STRAIN-NCC 2705;
MEDLINE-22294977; PubMed=12381787;
Schell M.A., Karmirantzou M., Snel
Pessi G., Zwahlen M.-C., Desiere F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "The chromosome 1 sequence of Theileria annulata.", Submitted (APR-2005) to the EMBL/GenBank/DDBJ datak EMBL; CR940347; CAI73153.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN-Ankara isolate clone C9;
Pain A., Renauld H., Murphy L., Harris
Hall N., Barrell B.G.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAR-2003 (TrEMBLrel. 23, Last sequence update) 01-OCT-2003 (TrEMBLrel. 25, Last annotation update) Possible ribosomal pseudouridine synthase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q8G546 BIFLO PRELIMINARY;
Q8G546;
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Theileria annulata.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pridmore R.D., Arigoni F.;
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  Similarity
4; Conserv
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       Conservative
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                       90.0%;
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Desiere F.,
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Score 27;
Pred. No.
1; Mismatc
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1; Mismatches
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     ed. No. 2.9e+02;
Mismatches 0;
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F., Bork P.,
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B., Vilanova D., Berger B.,
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Serine/threonine protein kinase nek1, putative
ORFNames=TP01_0943;
Theileria parva.
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"Partial Nucleotide Sequence of the Feldmannia irregularis Virus
"ITV-1 Genome: On the Evolution of Large Phaeoviral Genomes.";
Submitted (JAN-2003) to the EMBL/GenBank/DBJ databases.
EMBL; AY225134; AAX26929.1; -; Genomic DNA.
SEQUENCE 241 AA; 27054 MW; 74DED013AF391754 CRC64;
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ORFNames=AdehDRAFT_3008;
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Larimer F., Land M.;

"Annotation of the draft genome assembly --

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dehalogenans 2CP-C.";

Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.

Submitted (JUN-2005) to the EMBL/GenBank DDBJ databases.
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EMBL; AAGK01000001; EAN34181.1; -; Genom
Kinase; Serine/threonine-protein kinase.
Kinase; Serine/threonine-MW; AF7A01CFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gardner M., Bishop R., Shah T., de Villiers E., Carlton J.M., Hall N. Ren Q., Paulsen I.T., Pain A., Berriman M., Wilson R.J.M., Sato S., Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J., Jiang L., Lynn J., Weever B., Shoaibi A., Wasawo D., Crabtree J., Wortman J.R., Haas B., Angiuoli S., Creasy T.H., Lu C., Suh B., Silva J.C., Utterback T., Feldblyum T., Pertea M., Allen J., Taracha E.L., Salzberg S.L., White O., Fitzhugh H.A., Morzaria S., Venter J.C., Fraser C.M., Nene V.; Submitted (JUN-2005) to the EMBL/GenBank/DBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Anaeromyxobacter dehalogenans 2CP-C.
Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales;
Cystobacterineae; Myxococcaceae; Anaeromyxobacter.
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EMBL; AAHD01000011; EAL79524.1; -; Genomic_DNA
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                          The invention relates to an isolated mammalian anti-dual integrin CC antibody having at least one of the human heavy chain or light chain CC complementary determining region (CDR, HC CDR). Also CC included are the nucleic acids encoding the CDRs, a vector comprising the CC nucleic acids, a host cell comprising the vector, an anti-idiotype CC antibody that binds to the ant-dual integrin, a medical device comprising CC intramuscular, intravenous, intrarticular, intrabronchial, contracepsular, intracapsular, integrin related condition in CC is useful for diagnosing or treating a dual integrin related condition in CC an animal for example, immune related disease such as rheumatoid CC arthritis, gastric ulcer, asthma, allergic rininits, Crohn's pathology, CC sitle cell anaemia, diabetes, cardiovascular disease such as bacterial, CC disease such as leukaemia, ethonics, instensis, angina pectoris, CC wyocardial infarction, infectious disease in a cell such as bacterial, CC viral, and fungal infections, pneumonia, leprosy, malaria, malignant CC laterosis, Parkinson's disease, spinal ataxia, Alzheimer's disease, CC creutzfeldt-lakeh disease, appinal ataxia, Alzheimer's disease, or the risker of the process of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t
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arthritis, gastric ulcer,
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DB; ABK10115.
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The invention relates to an isolated mammalian anti-dual integrin cantibody having at least one of the human heavy chain or light chain complementary determining region (CDR, HC CDR1-CDR3, LC CDR1-3). Also included are the nucleic acids encoding the CDRs, a vector comprising the nucleic acids, a host cell comprising the vector, an anti-idiotype antibody that binds to the ant-dual integrin, a medical device comprising the antibody suitable for administration by parenteral, subcutaneous, intrambuscular, intracepsular, intractibility intracepsular, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, intracepture, as a given in specification. The antibody is useful for diagnosing or treating a dual integrin related condition in an animal for example, immune related disease such as rheumatoid arthritis, gastric ulcer, asthma, allergic rhinitis, Crohn's pathology, cardiovascular disease such as pathology, arteriosclerosis, atherosclerosis, restenosis, angina pectoris, myocardial infarction, infectious disease in a cell such as bacterial.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel isolated mammalian anti-dual integrin antibody, useful for diagnosing or treating dual integrin related condition such as x
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-AUG-2000; 2000US-0223363P.
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Pred. No. 3.3e-07
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Best Local
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17-OCT-2000;
16-MAR-2001;
21-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          viral, and fungal infections, pneumonia, leprosy, malaria; malignant disease such as leukaemia, chronic myelocytic leukaemia, Burkitt's lymphoma, multiple myeloma; neurological disease such as multiple sclerosis, Parkinson's disease, spinal ataxia, Alzheimer's disease, Creutfeldt-Jakob disease and many other disease given in the specification. The present sequence is an anti-dual integrin human variable region containing at least one of the six CDRs listed above (AAU76327-AAU76332)
This invention describes novel antibodies that immunospecifically bind to B Lymphocyte Stimulator (BLyS) polypeptides. BLyS is a member of the tumour necrosis factor (TNF) super family and induces B cell proliferation and differentiation. The antibodies of the invention have cytostatic, immunosuppressive, immunostimulant, immunomodulatory, antirheumatic and antiALDS activity and can be used in vaccines to inhibit the expression and activity of BLyS. The antibodies bind to BLyS and so may be used to detect and quantitate the presence of BLyS in biological samples and may be used in this way to diagnose disease associated with aberrant expression of BLyS. They may also be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BLys; B lymphocyte stimulator; TNF superfamily; human; cytostatic; tumour necrosis factor; B cell proliferation; B cell differentiation; immunosuppressive; immunostimulant; immunomodulatory; antirheumatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   systemic lupus erythematosus; rheumatoid arthritis; CVID; AIDS; common variable immunodeficiency; acquired immunodeficiency syndrome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                              diagnosis
                                                                                                                                                                                                                                                                                                                                                                                 Antibodies against B Lymphocyte Stimulating polypeptides, useful for the diagnosis and treatment of cancers and immune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ruben
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antiAIDS; vaccine; cancer; immune; autoimmune disorder; immunodeficiency;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CAMB-)
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                                                                                                                                                                                                                                                                                                                        Page 1726-1727;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Barash
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; 2000US-0240816P.
; 2001US-0276248P.
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Pred. No. 2.9e-06;
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to B lymphocyte stimulator (BLyS). The BLyS gene has been mapped to chromosome 13q34 and encodes a protein that is a member of the tumour necrosis factor superfamily and induces both in vivo and in vitro B cell proliferation and differentiation. Specifically, it refers to single chain antibody molecules (scFvs) derived, preferably, from the variable heavy CDR3 region that immunospecifically bind to a polypeptide, or fragment thereof, of either human, murine, rat or monkey BLyS. The present invention refers to the use of such antibodies in various methods for the detection, diagnosis and prognosis of diseases related to the aberrant expression or inappropriate function of BLyS or its receptor. As such, these compositions are useful for identifying immune disorders such, these compositions are useful for identifying immune disorders including myasthenia gravis and multiple sclerosis, inflammatory diseases such and proliferative disorders including leukaemia, carcinoma and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      acquired
the antib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antibody; B lymphocyte stimulator; BLyS; tumour necrosis factor; B cell proliferation; differentiation; scry; myasthenia gravis; multiple sclerosis; asthma; rheumatoid arthritis; AIDS; leukaemia; carcinoma; lymphoma; antirheumatic; antiarthritic; neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and activity such as cancer, immune, and autoimmune disorders and diseases, e.g. systemic lupus erythematos, rheumatoid arthritis, immunodeficiency (e.g. common variable immunodeficiency (CVID) and acquired immunodeficiency syndrome (AIDS)). ABP43990-ABP47228 represent
                                                                                                                                                                                                                                                                                                                      Novel antibody that immunospecifically binds to a (BLys), useful for detecting and treating diseases rheumatoid arthritis, asthma and leukemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          administered to treat diseases associated with aberrant BLyS expression and activity such as cancer, immune, and autoimmune disorders and
                                                                                                                                                                                                                                                                                       Example 1; SEQ ID NO 1109; 394pp;
                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-505530/47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-NOV-2001;
19-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-JUL-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2003055979-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    antiinflammatory; antiasthmatic; antiallergic; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Single chain antibody that immunospecifically binds
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADG95925 standard; protein; 249
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-NOV-2002; 2002WO-US036496
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (HUMA-) HUMAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antibodies and fragments of the antibodies described in the method invention % \label{eq:continuous}%
                                                                                                                                                                                                                                                    invention relates to novel antibodies that immunospecifically
                                                                                                                                                                                                                                                                                                                                                                                                                                   SM,
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Barash SC,
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2001US-0340817P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENOME SCI INC.
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Pred. No. 2e-05;
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                                                                                                                                                                                                                                                                                       English.
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                                                                                                                                                                                                                                                                                                                                            B lymphocyte stimulator or disorders e.g.
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Best Local S
Matches 16
              This sequence is that of complementarity determining region 2 (CDR2) of the heavy chain of an anti-tumour necrosis factor (TNF) antibody. The invention provides isolated human, primate, rodent, mammalian, chimeric, humanised and/or CDR-grafted anti-TNF antibodies, immunoglobulins, cleavage products and other specified portions and variants, as well as anti-TNF antibody compositions, encoding or complementary nucleic acids, vectors, host cells, compositions, formulations, devices, transgenic animals, transgenic plants, and methods of making and using them. The anti-TNF antibody comprises at least a portion of an immunoglobulin molecule, especially the heavy chain and/or light chain variable regions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lymphoma. Accordingly, they can be described as exhibiting various activities such as antirheumatic, antiarthritic, neuroprotective, antiinflammatory, antiasthmatic, antiallergic and cytostatic. This polypeptide sequence is a single chain antibody that binds BLyS of the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format the printed specification, but was obtained in electronic format directely from WIPO at ftp.wipo.int/pub/published pct_sequences.
                                                                                                                                                                                                                                     Novel isolated mammalian anti-tumor necrosis factor antibody, useful for treating sickle cell anemia, diabetes, atherosclerosis, restenosis, angina pectoris, myocardial infarction, leprosy.
                                                                                                                                                                                                                                                                                                                                                                                                                            07-AUG-2000; 2000US-0223360P
29-SEP-2000; 2000US-0236826P
01-AUG-2001; 2001US-00920137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antidiabetic; antiarteriosclerotic; antiatherosclerotic; vasotropic;
antianginal; cardiant; antibacterial; virucide; fungicide; antileprotic;
protozoacide; cytostatic; neuroprotective; antiparkinsonian; nootropic;
                                                                                                                                                                                                        Claim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 complementarity determining region; antirheumatic; antiarthritic;
antiulcer; antiasthmatic; antiallergic; antiinflammatory; antisickling;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAM51159 standard; peptide;
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                                                                                                                                                                                                        Page 128;
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                                                                                                                                                                                                                                                                                                                                                           Knight
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      factor alpha; TNF; antibody; heavy chain;
                                                                                                                                                                                                                                                                                                                                                                                              INC
                                                                                                                                                                                                     131pp; English.
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1; Mismatches
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Best Local S
Matches 16
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12-DEC-1997;
08-MAY-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                blood platelet membrane protein; predisposition; prevention; treatment; autoimmune thrombocytopaenic purpura; AITP; fibrinogen binding; thrombithrombocyte; cardiac infarction; pulmonary embolism; heavy chain.
                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-105496/09.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Escher RFA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97DE-01055227.
98DE-01020663.
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Pred. No.
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This invention describes novel nucleic acid fragments that encode human auto-antibodies and anti-idiotypic antibodies against blood platelet membrane protein, GPIIb/IIIa. The products of the invention are used for diagnosis (including monitoring and determining predisposition), prevention and treatment of autoimmune thrombocytopaenic purpura (AITP) and also for modulating binding offstrinogen to thrombocytes (particularly to dissolve thrombi and/or prevent their formation, e.g. cases of cardiac infarction or pulmonary embolism). Unlike murine

e.g. in

for

Nucleic acid encoding human autoantibodies against platelet glycoprotein IIb/IIIa - used for diagnosis, treatment and prevention of autoimmune thrombocytopaenic purpura and for modulation of fibrinogen binding.

Claim

3b;

Page

5; 93pp; German.

thrombocytopaenic purpura and

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          This sequence represents a complementarity determining region 2 (CDR2) of CC the heavy chain variable domain of a human anti-factor IX/IXa Gla domain CC antibody. Factor IXa is a vitamin K dependent plasma serine protease that CC participates in the blood coagulation pathways. The Gla domain of factor CC IXa and its zymogen factor IX contains important structural determinants CC for interaction with high affinity binding sites on vascular endothelial CC cells and platelets. Compositions comprising the antibodies are used for the treatment or prophylaxis of thrombotic or coagulopathic diseases or CC disorders in a mammal for which inhibiting a FIX/IXa mediated event is indicated, e.g. deep venous thrombosis, arterial thrombosis, unstable CC angina, post myocardial infarction, post surgical thrombosis, coronary CC artery bypass graft (CABG), percutaneous transluminal coronary CC artery bypass graft (CABG), percutaneous transluminal coronary CC angioplasty (PTCA), stroke, thmour growth, invasion or metastasis, inflammation, septic shock, hypotension, adult respiratory distress Syndrome (ARDS), arterial fibrillation and disseminated intravascular
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Complementarity determining region 2; CDR2; antibody; Gla domain; factor IX/IXa; blood coagulation; deep venous thrombosis; arterial thrombosis; unstable angina; post myocardial infarction; coronary artery bypass graft; CABG; stroke; tumour growth; metastasis; percutaneous transluminal coronary angioplasty; PTCA; inflammation; septic shock; hypotension; adult respiratory distress syndrome; ARDS; arterial fibrillation; disseminated intravascular coagulopathy; DIC.
                                                                                                                                                                                                                                                                                                                     Novel human anti-Factor IX/IXa antibodies against IX/IXa gamma-carboxyglutamic acid domains useful as anti-coagulant in thrombosis, stroke, and post myocardial infarction.
                                                                                                                                                                                                                                                                                          Claim
                                                                                                                                                                                                                                                                                                                                                                                                                           Suggett
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03-MAR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-AUG-1999;
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                                                                                                                                                                                                                                                                                         English
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Pred. No.
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4.5e-06;
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RESULT 8
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Matches 15
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                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to the use of heavy or light chains or their functional derivatives or fragments, having specific CDR (complementarity determining region) sequences of antibodies. The peptides can be used for the combined inhibition of the binding of fibrinogen to thrombocytes and of vitronectin to endothelial cells, the inhibition of angiogenesis, the inhibition of tumour metastasis and/or the inhibition of intimal hyperplasia after vascular injury. They are useful for prevention and treatment of vascular occlusion and for treatment to the invention of the invent
                                                                                                                                                                                                                                                                                                      Sequence 17
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                                                                                                                                                                                          Similarity
                                                                           VISFDGSNKYYVDSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Page 9;
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VISYDGSNKYYADSVKG
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Best Local S
Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention relates to a novel antibody or antigen binding domain, or its fragment, variant or derivative, which binds to an interferon-gamma (INF-gamma) protein, and is an antiagonist antibody. The invention may be useful for the development of compounds with an antiinflammatory or immunosuppressive activity through action as interferon-gamma agonists. A composition containing the antibody is useful for preventing or treating an autoimmune disease and an inflammatory condition. The present sequence is that of a peptide which represents a complimentarity determining region (CDR) of a human IFN-gamma antibody which may be part of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antibody or antigen binding domain, or its fragment, variant on derivative, which binds to an interferon-gamma protein, useful for preparing a composition for preventing or treating inflammatory or autoimmune disorders.
             viral infection; parasitic infection; arthritis; graft rejection.
                                         antibody variable region; cytostatic; antibacterial; virucide;
antiparasitic; immunosuppressive; antiarthritic; gene therapy;
septic shock; endotoxic shock; cachexia syndrome; bacterial infection;
                                                                                                                                                                                                         ADH89402 standard;
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 14; SEQ ID NO 48; 113pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-696068/66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-OCT-2001; 2001US-00972656.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-APR-2004
                                                                                                                  Human transferrin fusion protein-related CDR2 peptide SeqID46
                                                                                                                                                15-APR-2004
                                                                                                                                                                            ADH89402;
                                                                                   fusion protein; transferrin protein; glycosylation;
                                                                                                                                                                                                                                                                                                                                                                                                                              invention.
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                                                                                                                                                                                                                                                                                                            1 VISFDGSNKYYVDSVKG 17
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TSAI M.
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                                                                                                                                                                                                                                                                                                                                         Conservative
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                                                                                                                                               (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tsai
                                                                                                                                                                                                      peptide;
                                                                                                                                               entry)
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                                                                                                                                                                                                                                                                                                                                                     92.0%;
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                                                                                                                                                                                                                                                                                17
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                                                                                                                                                                                                                                                                                                                                       Score 81; DB Pred. No. 4.5e
                                                                                                                                                                                                                                                                                                                                    ; DB 7; Lem
J. 4.5e-06;
                              neoplasm; autoimmune disease;
                                                                                                                                                                                                                                                                                                                                                                    Length 17
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Matches
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                                                                                                                                                              antiparasitic, immunosuppressive or antiarthritic activity. In addition, the sequences disclosed may be useful for gene therapy. The fusion protein is useful for preparing a composition for treating a disease or disease symptom in a patient for example septic shock, endotoxic shock, cachexia syndromes associated with bacterial, viral or parasitic infections, neoplasm, autoimmune disease, arthritis or adverse effects associated with treatment for preventing graft rejection. The present sequence is that of a CDR 2 peptide which was used in the exemplification
                                                                                                                                                                                                                                                                                       This invention relates to a novel fusion protein which comprises a transferrin protein exhibiting reduced glycosylation fused to at lone antibody variable region. The invention may be useful for the development of compounds with cycostatic, antibacterial, virucide,
                                                                                                                                                                                                                                                                                                                                                                                                               New fusion protein comprising a transferrin protein exhibiting reduced glycosylation fused to at least one antibody variable region, useful figreparing a composition for treating e.g., septic shock, neoplasm or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-AUG-2001; 2001US-0315745P.
30-NUC-2001; 2001US-0334059P.
30-AUG-2002; 2002US-00231494.
30-AUG-2002; 2002US-0406977P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unidentified.
                                                                                                                     Sequence 17
                                                                                                                                                                                                                                                                                                                                                                    Example 2; SEQ ID NO 46; 82pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                    autoimmune disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sadeghi H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-MAR-2003; 2003US-00384060
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                                                                         Local
                                                                                                                                                      invention
                           1 VISEDGSNKYYVDSVKG
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                                                            Conservative
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                                                                           Score
Pred.
                                                            Mismatches
                                                                         81;
No.
                                                                                         DB 8;
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                                                                                        Length 17
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RESULT 11
                                                                   human; monoclonal antibody; phospholipase A2; inflammatory disorder; degenerative disorder;
                                                                                        Human phospholipase A2-specific mAb heavy chain peptide #64.
                                                                                                       09-SEP-2004
                                                                                                                                 ADP47199 standard;
                                                                                                       (first
                                                                                                                                 peptide;
                                                                                                       entry)
                                                                           A2; PLA2;
                                                                                                                                                                                              Gaps
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WO2004050850-A2 Homo sapiens. Alzheimer's joint

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inflammatory reaction; skin inflammatory reaction; vessels inflammatory reaction; arthritis; psoriasis; imer's disease; atherosclerosis; restenosis; heavy ch

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Best Local
                        Young
Witek
                                                                                                                                                                                                                   Antiinflammatory; Gastrointestinal; Antipsoriatic; Gene therapy; antibody; interleukin-21 receptor; interleukin-21; receptor; II-21 IL-21R; autoimmune disorder; rheumatoid arthritis; inflammatory bowel disease; Crohn's disease; transplant rejection; psoriasis; hyperproliferative disorder; MUJI; complementarity determining region; CDR; heavy chain; H2 CDR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention comprises a human monoclonal antibody that binds to phospholipase A2 (PLA2). The monoclonal antibody of the invention is useful in the preparation of a medicament for the treatment of inflammatory and degenerative disorders stemming from inflammatory reactions in the joints, skin, and blood vessels, arthritis, psoriasis, asthma, Alzheimer's disease, atherosclerosis, and restenosis. The present amino acid sequence represents a human PLA2-specific monoclonal antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New human monoclonal antibody that binds to phospholipase A2 useful for treating inflammatory conditions, e.g. arthritis, asthma, Alzheimer's disease, atherosclerosis, or restenosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Landes
Jia X,
                                                                                                                                               30-SEP-2004.
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WPI; 2004-691025/67
                                                                                              14-MAR-2003; 2003US-0454336P
                                                                                                                      12-MAR-2004; 2004WO-US007444
                                                                                                                                                                      WO2004083249-A2
                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                          Immunosuppressive; Cytostatic; Antirheumatic; Antiarthritic;
                                                                                                                                                                                                                                                                                                                     Anti-IL-21R
                                                                                                                                                                                                                                                                                                                                                                                             ADS82565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-DEC-2003;
                                                          (CAMB-) CAMBRIDGE ANTIBODY TECHNOLOGY.
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                        J. PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              chain peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for treating inflammatory conditions, Alzheimer's disease, atherosclerosis,
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LEXICON
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          VISYDGSNKYYADSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 114; 128pp; English.
                                    Whitters
                                                                                                                                                                                                                                                                                                                   antibody MU11 H2 CDR, SEQ ID 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                            (first entry)
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GENETICS INC.
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                                  Valge-Archer V,
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Pred.
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4.5e-06;
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                                   Collins
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                                   Williams
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                       Tlymphocyte; antigen-presenting cell; B cell; dendritic cell; major histocompatibility complex; MTC class I; viral infection; human Tlymphotropic virus-1 infection; viral oncoprotein; mycoplasma infection; bacterial infection; fungal infection; protozoal infection; phage display; heavy chain; CDR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to human antibodies, or their antigen-binding fragments, that selectively bind to a human interleukin-21 receptor (IL-21R). The antibodies of the invention are referred to as MUF, MUF-germline, MU11, 18G4, 18A5, 19F5, CF5G2 and R18. The antibodies selectively bind the extracellular domain of human IL-21R, or inhibit the binding of IL-21 to an IL-21R. Pharmaceutical compositions comprising an antibody or fragment of the invention are useful for diagnosing, preventing or treating autoimmune disorders (e.g. rheumatoid arthritis,
                             Claim 5;
                                                       New composition comprising a multimeric form of an antibody which specifically binds an antigen-presenting portion of a useful for treating pathogen-associated diseases e.g., HIV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inflammatory bowel disease, Crohn's disease, transplant rejection or psoriasis) or hyperproliferative disorders. The present sequence is an anti-IL-21R antibody heavy chain complementarity determining region of
                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New human antibodies that selectively bind to human interleukin-21 receptor, useful for diagnosing, preventing or treating autoimmune disorders (e.g. rheumatoid arthritis) or hyperproliferative disorders.
                                                                                                                        WPI; 2004-735863/72.
                                                                                                                                                                                                                  26-MAR-2003; 2003US-00396578
                                                                                                                                                                                                                                                 26-MAR-2003; 2003US-00396578
                                                                                                                                                                                                                                                                                 30-SEP-2004.
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                                                                                                                                                                                                                                                                                                                                                                           complementarity determining region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antibody; Fab; HLA-A2; Tax 11-19; human leukocyte antigen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fab targeting HLA-A2/Tax11-19,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADS52370
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                                                                                                                                                                                    TECHNION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VISFDGSNKYYVDSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 23; 143pp; English.
                           SEQ ID NO 21; 68pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VISYDGSNKYYADSVKG
                                                                                                                                                      Cohen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 peptide;
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                                                                                                                                                                                    FOUND LTD.
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                           English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     T3F2, heavy chain CDR 2.
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4.5e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antigen;
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                                                                                        fragment
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invention relates

to a composition-of-matter comprising

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RESULT 14
ADS52400
ID ADS52
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Matches 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protozoans. The composition-of-matter or the methods are useful for diagnosing an infection by a pathogen in an individual and for killing or damaging a target cell expressing or displaying an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen. A phage displayed library of human rab antibodies which recognise an HLA-A2/Tax 11-19 complex was generated and tested for specific binding to HLA-A2/Tax 11-19, individual clones were then sequenced and their CDR (complementarity determining region) sequences compared. The present sequence is a CDR from the heavy chain of
Antibody; Fab; HLA-A2; Tax 11-19; human leukocyte antigen; antigen; T lymphocyte; antigen-presenting cell; B cell; dendritic cell;
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                                                                                                                                                                 Fab targeting HLA-A2/Tax11-19, T2G7, heavy chain CDR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADS52400 standard; peptide; 17
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                                                                                                                                                                                                                                                                                     16-DEC-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                               (first entry
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 81; DB 8; 1
Pred. No. 4.5e-06;
1; Mismatches 1.
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major histocompatibility complex; MHC class I; viral infection; human T lymphotropic virus-1 infection; viral oncoprotein; mycoplasma infection; bacerial infection; fungal infection; protozoal infection; phage display; heavy chain; CDR;
WPI; 2004-735863/72
                                                                           Reiter Y,
                                                                                                                                                   (TECR ) TECHNION RES & DEV FOUND LTD
                                                                                                                                                                                                                           26-MAR-2003; 2003US-00396578.
                                                                                                                                                                                                                                                                                           26-MAR-2003; 2003US-00396578.
                                                                                                                                                                                                                                                                                                                                                                       30-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      complementarity determining region.
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New composition comprising a multimeric form of an antibody which specifically binds an antigen-presenting portion of a useful for treating pathogen-associated diseases e.g., HIV. or fragment complex,

Claim 5; SEQ ID NO 51; 68pp; English.

(Composed of a human antigen-presenting molecule and an antigen derived (composed of a human antigen-presenting in a biological sample an antigen-presenting portion of detecting in a biological sample an cantigen-presenting portion of a complex as described above. The target cell is a T lymphocyte or an antigen-presenting cell, which is a B cell cor a dendritic cell. The composition-of-matter further comprises a detectable moiety attached to the antibody or antibody fragment. The composition sequence of a biotin protein ligase, a biotin molecule, a streptavidin molecule, a fluorophore, an enzyme or a copylistidine tag. The biotin protein ligase is BirA, the fluorophore is phycoerythrin, and the enzyme is horseradish peroxidase. The toxin is complycoerythrin, and the enzyme is horseradish peroxidase. The toxin is cand/or an App ribosylation domain. The human antigen-presenting molecule is a major histocompatibility complex (MHC), preferably MHC class I complexule, more preferably HLA-A2 molecule. The pathogen is viral, cor presenting molecule and is a polypeptide selected from a segment of a circle for antigen derived from a pathogen is restricted by the antigen-presention. cc comprising a nucleic acid sequence encoding an antibody fragment (the cantibody fragment including an antigen-braiding region capable of competitionally binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a company of a nucleic acid construct comprising the isolated polynucleotide has a promoter sequence for directing transcription of the isolated polynucleotide in a host cell, a host cell comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic acid construct above, a host virus comprising the nucleic cald construct above, a virus comprising a coat protein fused to the article of a human antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen, a method of diagnosing an infection by a pathogen in an information of a complex composed of a human antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen-presenting molecule and an antigen derived composed of a human antigen-presenting molecule and an antigen derived composed of a human antigen human antigen human antigen human antigen human antigen human antigen human antigen human antigen human antigen human a presenting molecule and is a polypeprine percent. Intermaceutical viral oncoprotein or a segment of a Tax protein. A parmaceutical composition comprising as an active ingredient the composition-of-matter composition comprising as an active ingredient the composition-of-matter is useful in a method for treating a disease associated with a pathogen is useful in a method for treating a disease associated with a pathogen is useful in a method for treating a disease associated with a pathogen is useful in a method for treating a disease associated with a pathogen is useful in a method for treating a disease associated with a pathogen is useful in a method for treating a disease associated with a pathogen is useful. damaging a target cell expressing or displaying an antigen-presenting portion of a complex composed of a human antigen-presenting molecule an antigen derived from a pathogen. A phage displayed library of human in an individual such as viruses (HIV), mycoplasmas, bacteria, protozoans. The composition-of-matter or the methods are useful diagnosing an infection by a pathogen in an individual and for complex composed of a human antigen-presenting molecule and an f) an antibody or antibody fragment including an antige capable of specifically binding an antigen-presenting from a pathogen. Also included are an isolated polynucleotide relates to a composition-of-matter comprising including an antigen-binding (a multimeric antigen

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RESULT 15
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Best Local
                                                                               form of) an antibody or antibody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen. Also included are an isolated polynucleotide comprising a nucleic acid sequence encoding an antibody fragment (the antibody fragment including an antigen partion of acomplex composed of a human antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen), a nucleic acid construct comprising the isolated polynucleotide above (and a promoter sequence for directing transcription of the isolated polynucleotide in a host cell), a host cell comprising the nucleic acid construct above, a host virus comprising the nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tlymphocyte; antigen-presenting cell; B cell; dendritic cell; major histocompatibility complex; MHC class I; viral infection; human Tlymphotropic virus-1 infection; viral oncoprotein; mycoplasma infection; bacterial infection; fungal infection; protezoal infection; phage display; heavy chain; CDR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New composition comprising a multimeric form of an antibody or fragment which specifically binds an antigen-presenting portion of a complex, useful for treating pathogen-associated diseases e.g., HIV.
                               acid construct above, antibody fragment, det
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fab antibodies which recognise an HLA-A2/Tax 11-19 complex was generated and tested for specific binding to HLA-A2/Tax 11-19, individual clones were then sequenced and their CDR (complementarity determining region) sequences compared. The present sequence is a CDR from the heavy chain o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 5; SEQ ID NO 81; 68pp; English.
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ve, a virus comprising a coat protein fused
detecting an antigen-presenting portion of
n antigen-presenting molecule and an antiger
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Pred. No.
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Best Local
                                                                                 mycoplasma infection; bacterial infection; funga: protozoal infection; phage display; heavy chain; complementarity determining region.
                                                                                                           Antibody; Fab; HIA-A2; Tax 11-19; human leukocyte antigen; anti
Tlymphocyte; antigen-presenting cell; B cell; dendritic cell;
major histocompatibility complex; MHC class I; viral infection;
human T lymphotropic virus-1 infection; viral oncoprotein;
                                                                                                                                                                                                                                                                                                                                             and tested for specific binding to HLA-A2/Tax 11-19, individual clones were then sequenced and their CDR (complementarity determining region) sequences compared. The present sequence is a CDR from the heavy chair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from a pathogen, a method of diagnosing an infection by a pathog individual, a method of killing or damaging a target cell expressing/displaying an antigen-presenting portion of a complex (composed of a human antigen-presenting molecule and an antigen-
26-MAR-2003; 2003US-00396578
                26-MAR-2003; 2003US-00396578
                                                  US2004191260-A1
                                                                  Homo sapiens
                                                                                                                                                                       16-DEC-2004
                                                                                                                                                                                                        ADS52388 standard; peptide; 17
                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                      an isolated
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                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                       (first entry
                                                                                                                                                       HLA-A2/Tax11-19,
                                                                                                                                                                                                                                                                                            92.0%;
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                                                                                                                                                                                                                                                                                    1;
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Pred. No.
                                                                                                                                                                                                         8
                                                                                                                                                      T3D1, heavy chain CDR
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                                                                                                                                                                                                                                                                                DB 8; 4.5e-06;
                                                                                                  fungal
                                                                                                                                                                                                                                                                                                    Length 17;
                                                                                                                                                                                                                                                                                     Indels
                                                                                                    infection;
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                                                                                                                                     antigen;
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(TECR) TECHNION RES

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DEV FOUND LTD

2004-735863/72

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New composition comprising a multimeric form of an antibody or fragment which specifically binds an antigen-presenting portion of a complex, useful for treating pathogen-associated dispages of urv

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cc complex composed of a human antigen-presenting molecule and an antigen comprising a nucleic acid sequence encoding an antibody fragment (the antibody fragment including an antigen-presenting molecule and an antigen present and an antigen present and the specifically binding an antigen-presenting molecule and an antigen present (the antibody fragment (the capable of specifically binding an antigen-presenting molecule and an antigen derived from a pathogen), a nucleic acid construct comprising the isolated polynucleotide in a host cell), a host cell comprising the nucleic acid construct above, a host virus comprising the nucleic antibody fragment, detecting an antigen-presenting portion of a complex composed of a human antigen-presenting molecule and an antigen derived from a pathogen, a method of diagnosing an target cell complex (composed of a human antigen-presenting molecule and an antigen derived cromposed of a human antigen-presenting molecule and an antigen antigen-presenting cell, which is a pathogen in an antigen-presenting cell, which is a pathogen in an antigen-presenting molecule and an antigen derived (composed of a human antigen-presenting molecule and an antigen are cell or a dendritic cell. The composition of a complex (composed of a human antigen-presenting molecule and an antigen are cell or a dendritic cell. The composition of a complex as described above. The target cell is a Tymphocyte or an antigen-presenting cell, which is a cell or a dendritic cell. The composition of a complex as described above. The target cell or a dendritic cell. The composition sequence of a biotin protein ligase, a biotin molecule, as erreptavidin molecule, a fluorophore, an enzyme or a polyhistidine tag. The biotin protein ligase is biotin protein ligase, a biotin molecule, more preferably HLA-Az molecule. The pathogen is restricted by cit antigen-presenting molecule and is a polypeptide selected by cit antigen-presenting molecule and is a polypeptide selected by cit antigen-presenting cell in an individual molec
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                                                                                  Query Match
Best Local
                                                                    Matches
                                                                                                                                   Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             region capable of specifically binding an antigen-presenting portion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a composition-of-matter comprising (a multimeric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of) an antibody or antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5; SEQ ID NO 39;
                                                                    15;
                                                                                  Similarity
                                VISFDGSNKYYVDSVKG
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                                                                    Conservative
                                                                                                                                                                       clone.
                                                                                92.0%;
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                                                                                  Score
Pred.
                                                                      Mismatches
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                                                                                  No. 4.5e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            including
                                                                                                  Length 17;
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RESULT 17
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                                                                                                                                                                                                                                                                                                                           Kufer
                                                                                                                                                                                                                                                                                                                                                         31-MAY-2003; 2003EP-00012132
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                                                                                                                                                                                                                                                                                                                                                                                                                                      complementarity determining region; CDR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antibody engineering; binding molecule; antibody; humanized antibody; proliferative disorder; tumor; inflammation; immune disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADV21297
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                                                                                                                                                                                                                                                                                                                   Zeman
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VH domain CDR2 SEQ ID No:6
                                                                                                                                                                                                                                                                                                                  Berry M, Kischel R, Mangold an S, Itin C, Baeuerle P;
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Preparing human binding molecule specifically binding to human CD3 complex, comprises selecting molecules specifically binding to extracellular domain of recombinant epsilon-chain and preparing identified selected binding molecule.

Claim 27; SEQ ID NO 6; 350pp; English.

The invention relates to a method of preparing a human binding molecule, complex. The method comprises selecting molecules specifically binds to the human CD3 cc or interacting with the extracellular domain of recombinant epsilon-chain cc expressed independent of the human CD3 complex in the absence of other c emembers of the CD3 complex, from a population of candidate polypeptides encoded by a library, selecting molecules from a population identified in CC the above step for binding to the human CD3 complex, and preparing the selected binding molecule. The binding molecule is an antibody molecule, a cid seclosed is a nucleic acid sequence encoding a human binding molecule, a vector comprising such a nucleic acid, a host transformed or transfected with such a vector, a composition computising a human binding molecule, and optionally a proteinaceous compound capable of providing an activation signal for immune effector cells, and a kit comprising a human binding molecule, and proteinaceous compound capable of providing an human binding molecule, coid sequence chosen from the identified mucleic acid sequence, a nucleic acid sequence chosen from the identified mucleic acid sequence, a nucleic acid sequence which is degenerate as a result of the genetic code to the above mentioned nucleotide sequences. The antibody molecule, antibody fragment or its derivative or construct comprises a further and in a result of the genetic code to the above mentioned nucleotide sequences. The antibody molecule, antibody fragment or its derivative or construct comprises a further and in and in interaction-site is specific for one or more cell surface molecule such as a tumor specific marker. The antigen-interaction-site is further scf antigen-interaction-site and/or a further effector domain, and is humanized and/or deimmunized in an additional step. The further antigenç is further scFv

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CC EpCAM, CCR5, CD19, EphA2, HER-2 neu, HER-3, HER-4, EGFR, PSMA, CEA, MUC-1 CC (mucin), MUC2, MUC3, MUC4, MUC5AC, MUC5B, MUC7, betahCG, Lewis Y, CD20, CC CD33, CD30, ganglioside GD3, 9-0-Acetyl-GD3, GM2, Globo H, fucosyl GM1, CC Poly SA, GD2, carboanhydrase IX (MY/CA IX), CD4406, Sonic hedgehog (Shh), CC Mue-1, plasma cell antigen, (membrane-bound) IgE, melanoma chondroitin CC Gusmoglein 4, E-cadherin neoepitope, fetal actylcholine receptor, CD25, CC CA19-9 marker, CA-125 marker and muellerian inhibitory substance (MIS) CC CA19-9 marker, CA-125 marker and muellerian inhibitory substance (MIS) CC CA19-9 marker, CA-125 marker and muellerian inhibitory substance (MIS) CC cativated antigen), endosiallin, EGFRVIII, LG, SAS and CD63. In a human CC derivative or an antibody construct, comprises a heavy chain variable CC (VH) region, a light chain variable (VL) region, complementarity CC determining regions 1-3 (CDR1-3) of a VH-region, and CDR1-3 of a VL-region. The method is useful for preparing a human binding molecule, comprises a heavy chain variable CC region. The human binding molecule polypeptide sequences, and the CD complement or its derivative which specifically binds to the human CD3 complex. The human binding molecule polypeptide sequences, and the CD conformatory disease, immunological disorder, autoimmune disease, ci infectious disease, viral disease, allergic reactions, parasitic CC reactions, graft-versus-host disease, allergic reactions, parasitic creatment or amelioration of the above mentioned disease. This sequence cc represents a CDR region of a human antibody.
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             monoclonal antibody; antilipemic; nephrotropic; antiarteriosclerotic; cardiant; anticholesterolemic; cholesterol; pharmaceutical; myocardial infarction; renal disease; blood; SAM-6.
human monoclonal antibodies.
                              New polypeptides that bind low density lipoprotein and its oxidized forms, useful as antilipemic agents and for treating kidney disease
                                                                                                                                                                                               Vollmers
                                                                                                                                                                                                                                                                                                                           14-NOV-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human SAM-6 antibody heavy chain CDR2 peptide.
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15; Conser
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88.2%;
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                                 disease,
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PRINTER NO. 10 PRINTE

Claim 17; Page 28; 42pp; German

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The invention relates to a composition comprising an isolated human antibody or its fragment or other variant, where the antibody, the fragment or the other variant specifically binds to an aspartyl (asparaginyl) beta-hydroxylase (AAH). The invention also relates to an isolated nucleic acid molecule comprising a sequence encoding a human antibody or its fragment or other variant, where the antibody, the fragment or the other variant specifically binds to human AAH (HAAH), an expression vector comprising the nucleic acid molecule, a host cell comprising the expression vector, a method of modulating an AAH activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                reducing effect. The invention may be useful for the development of compounds with an antilipemic, nephrotropic, antiarteriosclerotic or cardiant activity acting by binding to (oxidized) low density lipoprotein, so functioning in a manner analogous to the known scavenger pathway. The invention is useful as a hypolipemic agent, for reducing the level of (oxidized) low density lipoprotein, especially cholesterol, in the blood, for example for treating arteriosclerosis (and its sequelae such as cardiac infarct) and for treating kidney disease, particularly glomerulonecrosis. The antibody of the invention avoids the side effects associated with use of inhibitors of key enzymes in cholesterol biosynthesis. The present sequence is that of a CDR peptide derived from the heavy chain of the human SAM-6 antibody of the invention.
                                                                                                                                                                                                                      New composition comprising anti-hydroxylase antibodies, diagnosing or treating cancer, e.g. lung, liver, colon, prostate, ovary, bile duct, brain, or breast cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antibody therapy; aspartyl (asparaginyl) beta-hydroxylase; AAH; HAAH; cancer; neoplasm; lung tumor; liver tumor; colon tumor; pancreas tumor; prostate tumor; ovary tumor; brain tumor; breast tumor; cytostatic; antibody.
                                                                                                                                                                                      Claim 11; SEQ ID NO 311; 107pp; English.
                                                                                                                                                                                                                                                                                                 WPI; 2005-417728/42.
                                                                                                                                                                                                                                                                                                                                                                                                             14-NOV-2003;
19-APR-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Anti-HAAH antibody complementarity determining region (CDR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-AUG-2005 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
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2004US-0563514P.
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Pred. No. 4.5e-06;
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Matches
The present invention relates to a composition-of-matter which comprises an antibody or antibody fragment or a multimeric form of an antibody or antibody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule (APM) and an antigen derived from a pathogen. The invention is useful for the specific detection of the antigen-presenting portion of the complex and for diagnosing/treating various types of diseases associated with a pathogen infection by killing/damaging pathogen infected cells. The present sequence is a complementarity determining regions (CDR) of Fab heavy chain antibody specifically binding human leukocyte antigen (HLA-A2)/Tax11-19 complex. Tax11-19 is an antigen derived from Human T-lymphotropic virus 1 (HTLV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            in a cell, a method of treating a patient who has a cancer associated with overactive or over expressed AAH, a method for identifying an antibody or its fragment or other variant that specifically binds to an AAH and a method of making a human monoclonal antibody or its fragment or other variant that specifically binds to an AAH. The composition, antibody, nucleic acid, kit and methods are useful for diagnosing or treating cancer, where the cancer cell is a tumor cell of the lung, liver, colon, pancreas, prostate, ovary, bile duct, brain or breast. This sequence represents an anti-HAAH antibody complementarity determining region (CDR) used in the scope of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New composition-of-matter capable of specifically binding an antigen-presenting molecule and a pathogen-derived antigen complexes, useful for treating diseases associated with a pathogen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 5; SEQ ID NO 51; 65pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of T2G7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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88.2%;
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Pred. No. 4.5e-06;
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Query Match

92.0%;

Score 81;

DB 9;

Length 17;

Sequence

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RESULT 21
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               AEB28695
                             RESULT 22
                                                                                                                                          Query Match
Best Local
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Matches 15; Conserv
                                                                                                                              Matches
                                                                                                                                                                                                                        The present invention relates to a composition-of-matter which comprises an antibody or antibody fragment or a multimeric form of an antibody or antibody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule (APM) and an antigen derived from a pathogen. The invention is useful for the specific detection of the antigen-presenting portion of the complex and for diagnosing/treating various types of diseases associated with a pathogen infection by killing/damaging pathogen infected cells. The present sequence is a complementarity determining regions (CDR) of Fab heavy chain antibody specifically binding human leukocyte antigen (HLA-A2)/Tax11-19 complex. Tax11-19 is an antigen derived from Human T-lymphotropic virus 1 (HTLV-
                                                                                                                                                                                                                                                                                                                                                                                                                                     New composition-of-matter capable of specifically binding an antigen-presenting molecule and a pathogen-derived antigen complexes, useful treating diseases associated with a pathogen.
AEB28695 standard; peptide; 17
                                                                                                                                                                                  Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                            Claim 5; SEQ ID NO 39; 65pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-MAR-2003; 2003US-00396578
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Diagnosis; therapeutic; infection; antimicrobial; heavy chain; T3D1.
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                                                                                     1 VISFDGSNKYYVDSVKG
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                                                                                                                                           Similarity
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Pred. No.
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                                                                                                                                           .5e-06;
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Best Local
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             09-MAR-2005; 2005US-00074803
                                                                       US2005152912-A1
                                                                                                                               Diagnosis; therapeutic; infection; antimicrobial; heavy chain; T4B7
                                                                                                                                                           Human CDR2 of T4B7 Fab specifically binding HLA-A2/Tax11-19, SEQ: 81
                                                                                                                                                                                                                           AEB28755;
                                                                                                                                                                                                                                                   AEB28755 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New composition-of-matter capable of specifically binding an antigen-presenting molecule and a pathogen-derived antigen complexes, useful for treating diseases associated with a pathogen.
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                                         14-JUL-2005
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                                                                                                                                                                                                                                                                                                                                               VISFDGSNKYYVDSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 21; 65pp; English.
                                                                                                                                                                                                                                                                                                                              VISYDGSNKYYADSVKG
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                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                          (first entry)
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Pred. No.
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                                                                                                                                                                                                                                                       human; erythropoietin receptor; EPO receptor; erythropoietin receptor binding antibody; EPO reantianaemic; neuroprotective; vulnerary; gene wound healing; neural cell damage protection; neural tissue damage protection; brain injury; stroke; anti-erythropoietin receptor antibody; complementarity determining region; CDR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to a composition-of-matter which comprises an antibody crantibody fragment or a multimeric form of an antibody or antibody fragment or a multimeric form of an antibody or antibody fragment including an antigen-binding region capable of specifically binding an antigen-presenting portion of a complex composed of a human antigen-presenting molecule (APM) and an antigen derived from a pathogen. The invention is useful for the specific detection of the antigen-presenting portion of the complex and for diagnosing/treating various types of diseases associated with a pathogen infection by killing/damaging pathogen infected cells. The present sequence is a complementarity determining regions (CDR) of Fab heavy chain antibody specifically binding human leukocyte antigen (HLA-A2)/Tax11-19 complex. Tax11-19 is an antigen derived from Human T-lymphotropic virus 1 (HTLV-
WPI; 2004-348433/32.
                           Devries PJ,
                                                                                       14-0CT-2002;
10-0CT-2003;
                                                                                                                                                                  29-APR-2004.
                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                Human anti-BPO-R antibody heavy chain variable region CDR SEQ ID NO:59.
                                                                                                                                                                                                                                                                                                                                                                                                                 18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New composition-of-matter capable of specifically binding an antigen-
presenting molecule and a pathogen-derived antigen complexes, useful for
treating diseases associated with a pathogen.
                                                          (ABBO ) ABBOTT LAB
                                                                                                                                  14-OCT-2003; 2003WO-US032243
                                                                                                                                                                                               WO2004035603-A2
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                           Green LL,
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2003US-00684109
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88.2%;
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Pred. No.
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                           Reilly EB,
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anti-EPO-R antibody;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            methods of modulating or activating an endogenous activity of a human EPO Creceptor in a mammal, comprising administering to the mammal a therapeutic amount of the above antibody or its fragment to modulate or activate the receptor; (2) a method of treating a mammal suffering from CC the above antibody or its fragment to modulate or activate the receptor; (3) a pharmaceutical composition comprising a therapeutic amount of the above antibody or intified polynucleotides equence, and their fragments; (4) can be and degenerate codon equivalents; and (5) an isolated and purified polynucleotides equence, and their fragments, complements and degenerate codon equivalents; and (5) an isolated and purified amtinaemic, neuroprotective and vulnerary activities, and can be used in gene therapy. The compositions and methods from the present invention can be used for modulating an endogenous activities, and can be used in gene therapy. The compositions and methods from the present invention can be used for identifying mammals buffering cativity of a human EPO receptor or for treating mammals suffering from CC activity of a human EPO receptor. The composition may also be used in gromoting wound healing or in protecting against neural cell and/or tissue damage resulting from brain/spinal cord injury, stroke and the Clike. The present sequence represents a human anti-EPO-R antibody heavy cives in the exemplification of the resent invention (CDR), which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 15
                                                                                                                                                                                                                                                                                                                                                                                                             antianaemic; respiratory; vulnerary; gene therapy; vaccine; erythropoietin receptor; EPO-R; anti-EPO-R-antibody; aplasia; anaemia; hypoxaemia; chronic tissue hypoxia; blood circulation; blood flow; wound healing; neural cell damage; tissue damage; brain injury; sproke; human; heavy chain variable region;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes an antibody or it or activates an endogenous activity off meaners receptor in a mammal, but does not interact with sequence of 30 amino acids (SEQ ID NO:1, ADS84362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antibodies that bind to or activate an endogenous human erythropoietin receptor, useful for diagnosing, preventing or treating disorders associated with dysfunctional erythropoietin receptor, e.g.
                                                                                                                                                                               09-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 41 AA;
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                                   14-OCT-2002; 2002US-0418031P
                                                                                                       10-OCT-2003; 2003US-00684109
                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                anti-EPO-R-antibody.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human EPO-R heavy chain variable region seqid 59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADR68562 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          in the exemplification of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 VISFDGSNKYYVDSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VISYDGSNKYYADSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        peptide; 41
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 81; DB 8;
Pred. No. 1.2e-05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               its fragment that binds to erythropoietin (EPO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
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BONT/A HC 04-APR-2003 ABU56837

binding

scTv VH region from 1B3

#1.

(first entry) antibody

ABU56837 standard; protein; 66

Botulinum neurotoxin type A; BoNT/A; mouse; heavy chain variable scFv; antibody; botulism; antibacterial; single chain antibody; V

밁 გ

1 VISFDGSNKYYVDSVKG

17

Matches Query Match Best Local :

Similarity

92.0%;

Score 81; Pred. No. Mismatches

DB 8; 1.2e-05;

Length 41

0

Gaps

Conservative

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Creceptor in a mammal, or that comprises at least one heavy or light chain critical variable region having a sequence comprising 116 or 107 amino acids (SEQ CD NO: 3 or 5) given in the specification or its fragment, but does not cinteract with a peptide comprising 30 amino acids (SEQ ID NO: 1) also commodulating an endogenous activity of a human erythropoietin receptor in a method of activity of a number of composition comprising at the receptor in a commodulating an endogenous activity of a human erythropoietin receptor in a commodulating an endogenous activity of a human erythropoietin receptor in a commodulating an endogenous activity of a human erythropoietin receptor in a commodulating an endogenous activity of a mammal pharmaceutical excipient; an comparising 32-370 by (even SEQ ID NO: apartial and purified amino acids sequence seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antibody or its antibody fragment that activates an endogenous activity or is capable of binding to a human erythropoietin receptor mammal, useful for treating a mammal suffering aplasia or anemia.
Sequence 41
                                                                                      erythropoietin receptor (EPO-R) anti-EPO-R-antibody heavy chain variable
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention describes an antibody or its fragment that activates an endogenous activity or capable of binding to a human erythropoietin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Devries PJ, Ostrow DH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (WIEL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DEVRIES P J.
OSTROW D H.
REILLY E B.
GREEN L L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 59; 156pp; English.
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RESULT 27
ABU56866
ID ABU56866
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DT 04-AI
DT 04-AI
CX BONT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CC polypeptide comprising BoNT/A neutralising epitope comprising an epitope comprising an epitope comprising an epitope comprising an epitope comprising an epitope comprising an epitope comprising an epitope comprising an epitope comprising an epitope comprising an epitope specifically bound by the antibody expressed by any of the convergence of the con
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Best Local (
                                                                                                                       Botulinum neurotoxin type A; BoNT/A; mouse; heavy chain variable region; scFv; antibody; botulism; antibacterial; single chain antibody; VH; immunoglobulin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel antibody that specifically binds and neutralizes botulinum neurotoxin type A useful for neutralizing botulinum neurotoxin and treating botulism.
                                                                                                                                                                                                                         BONT/A Hc binding antibody scTv VH region from 1C6
                                                                                                                                                                                                                                                                              04-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               an epitope specifically bound by an antibody expressed by a clone such as clone S25, C25, C39, 1C6 and clone 1F3, where the antibody binds to and neutralises botulinum neurotoxin type A (BONT/A). Also included are a
                             US2002155114-A1
                                                                          Mus sp.
                                                                                                                                                                                                                                                                                                                                   ABU56866;
                                                                                                                                                                                                                                                                                                                                                                             ABU56866 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to an isolated antibody that specifically binds to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 6; Page 22; 31pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-182618/18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31-AUG-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 VISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      h 92.0%; Score 81; DB 6;
Similarity 88.2%; Pred. No. 2e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VISYDGSNKYYADSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                66 AA;
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RESULT 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to an isolated antibody that specifically binds to CC an epitope specifically bound by an antibody expressed by a clone such as CC clone 525, C25, C39, 1C6 and clone 1F3, where the antibody binds to and CC neutralises botulinum neurotoxin type A (BoNT/A). Also included are a CC which is specifically bound by the antibody, where the polypeptide is not CC aftill-length botulinum neurotoxin H c fragment and making an anti-BoNT/A CC antibody that neutralises BoNT/A (by contacting several antibodies with CC an epitope specifically bound by an antibody expressed by any of the convel clones and isolating an antibody that specifically binds to the CC epitope). The antibody is useful for neutralising a BoNT/A, by contacting chair variable region complementarity determining region) and with a second anti-BoNT/A antibody which comprises a VH CDR, where the second CC antibody. The antibody which comprises a VH CDR, where the second CC antibody. The antibody is useful in the treatment of pathologies associated with botulinum neurotoxin poisoning, for rapid caseociated with botulinum neurotoxin poisoning, for rapid CC detection/diagnosis of botulism and in the detection and/or quantification of BoNT/A in a biological sample obtained from an organism. The present sequence is a heavy chain variable region (VH) of a single chain antibody (scFV) of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                              antibody; immunoglobulin; heavy chain variable region; cytostatic;
neoplasm.
                                                                                                                                                                                                                                                                                                                                     Human Ig
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                            Region
                                                                                          Region
                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AEA21573 standard; protein; 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 6; Page 22; 31pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-OCT-2002
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                                                                                                                                                                                                                                                                                                                                     line heavy chain variable region protein
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                                                                                      Location/Qualifiers 16. .20
/note= "complementarity determining region 2 (CDR2)"
                                                      note= "complementarity determining region 1 (CDR1)"
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Pred. No. 2e-05;
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Best Local S
Matches 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                specifically binds a polypeptide comprising the SC-1 human monoclonal antibody heavy chain sequence (AEAZ1571). Also described: (1) a hybridoma cell line with DSMZ accession number DSM ACC2625; (2) an anti-idiotype antibody expressed by the hybridoma cell line; (3) a humanized antibody having the binding specificity of the anti-idiotype antibody of (2); (4) generating an immune response in a mammal against the anti-idiotype antibody; and (5) producing an anti-idiotype antibody in a non-human mammal. The antibody, composition and method are useful for diagnosing, detecting, monitoring, and treating neoplasms. The present sequence represents the human immunoglobulin (19) germ line heavy chain variable region, which is given in comparison with the human monoclonal antibody heavy chain variable region in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                       Human; immunoglobulin; Ig; transgenic; non-human mammal; inactivated endogenous Ig locus; B-cell development;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to an isolated anti-idiotype antibody, which specifically binds a polypeptide comprising the SC-1 human monoclonal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 3; 27pp; English.
                                                                                                                                                                                                                                                                                                          human heavy
kappa light
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAW62799 standard; peptide; 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 82 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vollmers HP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-NOV-2003; 2003DE-01052977
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                                   WO9824893-A2
                                                                                                                         Misc-difference
                                                                                                                                                                                                                       Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amino acid sequence of a human antibody fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW62799;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VISYDGSNKYYADSVKG
                                                                                                                                                                                                                                                                             chain Ig locus; micro constant region; J-H; D-H; V-H gene; chain Ig locus; kappa constant region; J-kappa gene; V-kappa; antibody.
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                                                                                                                      Location/Qualifiers
                                                                                                /note= "not defined"
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Pred. No. 2.6e-05;
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RESULT 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                transgenic Xenomice, created using the method of the invention. The specifications describes a transgenic non-human mammal which has genome modifications that comprise an inactivated endogenous immunoglobulin (Ig) locus, so that the mammal does not display normal B-cell development. The modified genome also has an inserted human heavy chain Ig locus in germline configuration, the human heavy chain Ig locus comprising a human inserted human later constant region and regulatory and switch sequences, human J-H genes, human D-H genes, and human V-H genes and an inserted human kappa ight chain Ig locus in germline configuration, the human kappa light chain Ig locus comprising a human kappa constant region, J-kappa genes, where the number of V-H and V-kappa genes inserted are selected to restore normal B-cell development in the mammal. The transgenic animals have a near complete human Ig locus, including both a human heavy chain locus and a human kappa light chain locus. They can be used for the production of human antibodies when exposed to particular antigens e.g. when exposed to human 11-8, EGFR or TNF- alpha the mice will produce antibodies to IL-8, EGFR or TNF- alpha respectively
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local (
                                                                                                                                                                      Human; neutralising antibody; interleukin-12; IL-12; antiinflammatory; complementarity determining region; CDR; antirheumatic; antiarthritic; antisclerotic; neuroprotective; antipsoriatic; antiasthmatic; cardiant antiparasitic; antibacterial; immunosuppressive; Crohn's disease; multiple sclerosis; rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New transgenic non-human mammals - having an inactivated immunoglobulin locus and a near complete human immunoglobulin locus, used for production of human antibodies.
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                                24-MAR-2000; 2000WO-US007946
                                                                                                                                                                                                                                                                               Anti-hIL12 antibody H chain V region amino acid sequence
                                                                                                                                                                                                                                                                                                                   05-FEB-2001
                                                                                                                                                                                                                                                                                                                                                      AAB40127;
                                                                                                                                                                                                                                                                                                                                                                                       AAB40127 standard; protein; 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 83 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW62793-822 represent fragments of human antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 74; 128pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1998-333314/29.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ABGE-) ABGENIX INC
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                                                                     28-SEP-2000
                                                                                                      WO200056772-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             35 VISYDGSNKYYADSVKG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                                                                                                                                  (first entry)
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88.2%;
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Pred. No. 2.6e-05;
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25-MAR-1999;

99US-0126603P

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ARSULT 31
AAR34283
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention relates to a new human antibody specific for human CC interleukin-12 (II-12). The invention also includes antigen binding CC portions that bind to II-12. Sequences AAB39485-B39516 represent human CC anti-II-12 antibody heavy and light chain complementarity determining CC region (CDR) amino acid sequences, and also includes variable region CC amino acid sequences. Other variable region amino acid sequences are CC given in AAB39517-B39500 and AAB40068-B40149. Sequences, AAB39772-B40063 represent anti-II-12 CDR3 related amino acid sequences, AAB39772-B40063 represent other CDR sequences. Light chain CDR3 consensus sequences are CC given in AAB40064-B40067. Primers used in the identification and CC construction of the antibodies of the invention are given in AAC61062-CC C61071. The antibody of the invention is a neutralising antibody and has CC construction; antiarthritic; antiasthmatic; antiaflammatory; CC neuroprotective; antiaptoriatic; antiasthmatic; cardiant, antiparasitic; antibacterial and immunosuppressive activity. The antibodies or antigency in the treatment of disorders associated CC with detrimental release of human II-12, especially Crohn's disease, CC multiple sclerosis and rheumatoid arthritis. They can also be used in the CC disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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Region
                                Region
                                                                  Region
                                                                                                                                                      Homo sapiens
                                                                                                                                                                                   Monoclonal antibody; anti-globulin response; VH gene; chimeric; mouse-human antibodies; antibody; prevention; tumour necrosis factor
                                                                                                                                                                                                                                       Human TNF binding antibody DP-46 heavy chain
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26-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                  AAR34283 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 75; Page 122; 377pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New human antibody specific for human interleukin-12 (IL-12) used to treat disorders characterized by aberrant IL-12 expression e.g. Crohn's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-638250/61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Derbyshire EJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kaymakcalan Z, Labkov
Veldman GM, Venturini
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Salfeld JG,
                                                                                                  Region
                                                                                                                                                                                                                                                                                                                                                                                                                                                      50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 Similarity 88.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 VISFDGSNKYYVDSVKG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 isorders characterized b
and multiple sclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BASF AG.
GENETICS INST INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    VISYDGSNKYYADSVKG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Roguska M, Paskind M, Banerjee S, Tracey DE, White M
S, Labkovsky B, Sakorafas P, Friedrich S, Myles A;
Venturini A, Warme NW, Widom A, Elvin JG, Duncan AR;
J, Carmen S, Smith S, Holtet TL, Du Fou SL;
                                                                                                                                                                                                                                                                           (revised)
(first entry)
                                                                                                                      Location/Qualifiers
                                                                                  /note= "Framework region FR1"
                 note=
                                                  note= "Complementarity determining region CDR1"
                                                                      . 35
                                   .49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92.0%;
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66
                 "Framework region FR2"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Score 81; DB
; Pred. No. 3e-0
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                   98
                                                                                                                                                                                                                                                                                                                                                                  A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 3;
3e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 95;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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RESULT 32
AAY50962
ID AAY50
XX AAY50
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XX Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The sequence is that of the heavy chain clone DP-46 derived from the germline human VH gene DP-46 (from the VH3 family) of antibody fragments binding to human TNF. It may be used as part of a method of producing chimeric mouse-human antibodies or fragments which have the same binding specificity as a parent Ab but have increased human characteristics, preventing anti-globulin response in humans. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Producing human antibody polypeptide dimer specific for antigen comprises use of chain shuffling using phage expression, useful reducing anti globulin responses in humans for increased human
                                                                                                   07-MAY-1999;
                                                                                                                                                                                                                                                                                                      Human; heavy
scFv; A3-C1.
                                                                                                                                                                                                                                                                                                                                                                               Human FVIII antibody A3-C1 scFv heavy chain protein DP-49.
                                                                                                                                                                                                                                                                                                                                                                                                                                    23-MAR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY50962 standard; protein; 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example; Fig 6; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              characteristics.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1993-117534/14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-MAR-1992;
24-MAR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-SEP-1991;
25-SEP-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-SEP-1992;
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                                                 08-MAY-1998;
                                                                                                                                                     18-NOV-1999
                                                                                                                                                                                                    WO9958680-A2
                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hoogenboom HRJM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-MAY-1992;
(SANQ-) STICHTING SANQUIN BLOEDVOORZIENING.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (CAMB-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDI-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cn 92.0%;
l Similarity 88.2%;
l5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 VISFDGSNKYYVDSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDICAL RES COUNCIL.
CAMBRIDGE ANTIBODY TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VISYDGSNKYYADSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     98
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                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                             chain; antibody; factor VIII; hemostatic; hemophilia A;
                                                 98EP-00201543
                                                                                                   99WO-NL000285
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92GB-00006372.
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91GB-00020377
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67. .98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Baier M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Framework
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jespers LSAT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 81; DB 2; Le
Pred. No. 3.1e-05;
1; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Winter GP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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Query Match
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                                                                                                                    Salfeld JG, Roguska M,
Kaymakcalan Z, Labkovs
Veldman GM, Venturini
Derbyshire EJ, Carmen
                                                                                                                                                                                                                                                                                                                                                                                                                                                   complementarity determining region; CDR; antirheumatic; antiarthritic;
antisclerotic; neuroprotective; antipsoriatic; antiasthmatic; cardiant;
antiparasitic; antibacterial; immunosuppressive; Crohn's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New polynucleotide, polypeptide and presence of neutralizing antibodies of hemophilia A patients with these
                                New human antibody specific for human interleukin-12 (IL-12) used to treat disorders characterized by aberrant IL-12 expression e.g. Crohn's
                                                                                                                                                                                                         (BADI )
                                                                                                                                                                                                                                                             25-MAR-1999;
                                                                                                                                                                                                                                                                                             24-MAR-2000; 2000WO-US007946
                                                                                                                                                                                                                                                                                                                                 28-SEP-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; neutralising antibody; interleukin-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Anti-hIL12 antibody H chain V region amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB40116 standard; protein; 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 98 AA;
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                                                                                                                                                                                                                                                                                                                                                                   WO200056772-A1.
                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15; Conservative
                                                                                                                                                                                                      BASF AG.
GENETICS INST INC.
                 and multiple sclerosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                   sclerosis; rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VISYDGSNKYYADSVKG
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                                                                                                                    Roguska M, Paskind M, Banerjee S, Tracey DE, Wh
Z, Labkovsky B, Sakorafas P, Friedrich S, Myles
Venturini A, Warme NW, Widom A, Elvin JG, Dunca
J, Carmen S, Smith S, Holtet TL, Du Fou SL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                92.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lantibody useful for diagnosing the against factor VIII and for treatment antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IL-12; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID
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                                                                                   Kaymakcalan Z, Labkov
Veldman GM, Venturini
Derbyshire EJ, Carmen
                                                                                                                             Salfeld JG,
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                                                                                                                                                                                                                                                                                                                     Homo sapiens.
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                                                          WPI; 2000-638250/61.
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New human antibody specific for human interleukin-12 (IL-12) used treat disorders characterized by aberrant IL-12 expression e.g. Co

Crohn's

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Veldman GM, Venturini
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Venturini A, Warne NW,

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ky B, Sakorafas P, Friedrich S, Myles A;
A, Warne NW, Widom A, Elvin JG, Duncan AR;
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New human antibody specific for human interleukin-12 (IL-12) used to treat disorders characterized by aberrant IL-12 expression e.g. Crohn's

New human antibody specific for human interleukin-12 (IL-12) used to

WPI; 2000-638250/61

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Kaymakcalan Z,
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Derbyshire EJ,
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This invention relates to a new human antibody specific for human CC interleukin-12 (IL-12). The invention also includes antigen binding CC portions that bind to IL-12. Sequences AAB39485-B3516 represent human CC anti-IL-12 antibody heavy and light chain complementarity determining CC region (CDR) amino acid sequences, and also includes variable region CC amino acid sequences. Other variable region amino acid sequences are CC given in AAB39517-B39560 and AAB40068-B40149. Sequences AAB39772-B40063 represent anti-IL-12 CDR3 related amino acid sequences, AAB39772-B40063 CC represent other CDR sequences. Light chain CDR3 consensus sequences are CC given in AAB40064-B40067. Primers used in the identification and CC construction of the antibodies of the invention are given in AAC61062-CC G1071. The antibody of the invention is a neutralising antibody and has CC construction and immunosuppressive activity. The antibodies or antigences in the treatment of disorders associated CC with detrimental release of human IL-12, especially Crohn's disease, CC multiple sclerosis and rheumatoid arthritis. They can also be used in the manufacture of a pharmaceutical composition to treat human II-12 disease in the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consensus and the consen
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Matches 15
                                                           Kaymakcalan Z, Labkove
Veldman GM, Venturini
Derbyshire EJ, Carmen
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CC anti-II-12 antibody heavy and light chain complementarity determining CC region (CDR) amino acid sequences, and also includes variable region CC amino acid sequences. Other variable region amino acid sequences are CC given in ABB39517-B39500 and ABB40068-B40149. Sequences ABB3951-B39771 CC represent anti-II-12 CDR3 related amino acid sequences, ABB39772-B40063 Crepresent other CDR sequences. Light chain CDR3 consensus sequences are CC given in ABB40064-B40067, Primers used in the identification and CC construction of the antibodies of the invention are given in AAC61062-CC (C61071. The antibody of the invention is a neutralising antibody and has CC central and immunosuppressive activity. The antibodies or antiparasitic; antiarclaration is a natinflammatory; CC antibacterial and immunosuppressive activity. The antibodies or antigence continuous fragments are useful in the treatment of disorders associated CC with detrimental release of human II-12, especially Crohn's disease, CC multiple sclerosis and rheumatoral components. They can also be used in the CC maniferture of a pharmacent call components can also be used in the CC maniferture of a pharmacent call components.
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믕 Ś Matches Query Match Best Local (50 15; 1 VISFDGSNKYYVDSVKG Similarity VISYDGSNKYYADSVKG Conservative 92.0%; 17 66 ٠. Score 81; Pred. No. Mismatches w B .1e-05; ω --Length Indels °, Gaps

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disorders

of a pharmaceutical composition to treat human IL-12

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28-SEP-2000

24-MAR-2000; 2000WO-US007946

25-MAR-1999; 99US-0126603P

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GENETICS INST INC.

Salfeld JG, Roguska M, Paskind M, Banerjee S, Trac Kaymakcalan Z, Labkovsky B, Sakorafas P, Friedrich Veldman GM, Venturini A, Warne NW, Widom A, Elvin Derbyshire EJ, Carmen S, Smith S, Holtet TL, Du FC Tracey DE, W.
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Kaymakcalan Z, Labkovsky B,
Veldman GM, Venturini A, W
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Veldman GM, Venturini A, Warne NM, Widom A,
Derbyshire EJ, Carmen S, Smith S, Holtet TL,
                                                                                                                                                                                                                                                                                              complementarity determining region; CDR; antirheumatic; antiarthritic; antisclerotic; neuroprotective; antipsoriatic; antiasthmatic; cardiant antiparastic; antibacterial; immunosuppressive; Crohn's disease; multiple sclerosis; rheumatoid arthritis.
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New human antibody specific for human interleukin-12 (IL-12) used to present disorders characterized by aberrant IL-12 expression e.g. Crohn's predisease and multiple sclerosis.

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Claim 75; Page 121; 377pp; English.
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This invention relates to a new human antibody specific for human cinterleukin-12 (IL-12). The invention also includes antigen binding control of the bind to IL-12. Sequences AAB39485-899516 represent human cantil for the sequences of the chain complementarity determining region (CR) amino acid sequences. Other variable region amino acid sequences. Other variable region amino acid sequences. Other variable region amino acid sequences. Other variable region amino acid sequences. Other variable region amino acid sequences. Other variable region amino acid sequences. Other variable region amino acid sequences. AAB39517-B39710 crepresent anti-11-12 CDR3 related amino acid sequences. AAB39561-B397110 crepresent anti-11-12 CDR3 related amino acid sequences. AAB39561-B397110 crepresent anti-11-12 CDR3 related amino acid sequences. AAB39761-B397110 crepresent anti-11-12 CDR3 related amino acid sequences are continued amino acid sequences. AAB39761
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Application US/09383667

ALIGNMENTS

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APPLICANT: Berchtold, Peter
APPLICANT: Berchtold, Peter
APPLICANT: Escher, Robert F. A.
TITLE OF INVENTION: ANTI-GPIIB/IIA RECOMBINANT ANTIBODIES
FILE REFERENCE: 100564-09049
CURRENT APPLICATION NUMBER: US/09/424,840B
CURRENT FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: DE 19820663.1
PRIOR APPLICATION NUMBER: DE 19755227.7
PRIOR FILING DATE: 1998-05-08
PRIOR APPLICATION NUMBER: DE 1975904.8
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR FILING DATE: 1997-16-06
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APPLICANT: Devaux, Brigitte
APPLICANT: Eaton, Dan L.
APPLICANT: Hass, Philip E.
APPLICANT: Judice, J. Kevin
APPLICANT: Sidenter, Sevin
APPLICANT: Suggett, Shelley
TITLE OF INVENTION: Human Anti-Factor IX/IXa Antibodies
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Best Local Similarity
Watches 15; Conserve
RESULT 5
US-09-424-840B-108
; Sequence 108, Application US/09424840B
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US-09-424-840B-97
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CURRENT FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: DE 19820663.1
PRIOR FILING DATE: 1998-05-08
PRIOR REPLICATION NUMBER: DE 19755227.7
PRIOR FILING DATE: 1997-12-12
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR FILING DATE: 1997-06-06
PRIOR FILING DATE: 1997-06-06
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PRIOR FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.1
SEQ ID NO 95
                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.1
SEQ ID NO 97
LENGTH: 17
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APPLICANT: Berchtold, Peter
APPLICANT: Escher, Robert F. A.
APPLICANT: Escher, Robert F. A.
TITLE OF INVENTION: ANTI-GPIIB/IIIA RECOMBINANT ANTIBODIES
FILE REFERENCE: 100564-09049
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Matches 15; Conservative
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APPLICANT: Escher, Robert F. A.
TITLE OF INVENTION: ANTI-GPIIB/IIIA RECOMBINANT ANTIBODIES
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ORGANISM: Homo sapiens
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                                                                                                               VISYDGSNKYYADSVKG 17
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Pred. No. 2.2e
1; Mismatches
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Pred. No.
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2.2e-06;
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Matches Query Match

Local

ch 92.0%; l Similarity 88.2%; 15; Conservative

; ORGANISM: Homo sapiens US-09-383-667-16

NUMBER OF SEQ ID NOS: 32 SEQ ID NO 16 LENGTH: 17 TYPE: PRT

CURRENT APPLICATION NUMBER: US/09/383,667
CURRENT FILING DATE: 1999-08-26
EARLIER APPLICATION NUMBER: US 60/098,233
EARLIER FILING DATE: 1998-08-28
EARLIER APPLICATION NUMBER: US 60/122,767
EARLIER FILING DATE: 1999-03-03

FILE REFERENCE: P1661R2

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US-09-424-840B-36

Sequence 36, Application US/09424840B Patent No. 6790938

Patent No. 6790938 GENERAL INFORMATION:

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1 VISFDGSNKYYVDSVKG 17

VISYDGSNKYYADSVKG 17

Matches Query Match Best Local

15;

Conservative

Similarity

92.0%;

Score 81; DB 2; Pred. No. 2.2e-06;

Mismatches

US-09-424-840B-36

ORGANISM: Homo sapiens

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SEQ ID NO 36

ENGTH: 17

NUMBER OF SEQ ID NOS: 128 SOFTWARE: PatentIn version 3.1

David W. Clough, Marshall O'Toole Gerstein Murray &

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RESULT 7
US-08-211-202-118
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; ORGANISM: Homo sapiens
US-09-534-717-653
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US-09-534-717-653
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                                                                                                                                                                        Sequence 118, Application US/08211202 Patent No. 5565332
                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
Matches 15; Conserv
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Patent No. 6914128
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Best Local Similarity
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TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Fatentin Ver: 2.0
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PRIOR FILING DATE: 1997-12-12
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR FILING DATE: 1997-06-06
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TITLE OF INVENTION: ANTI-GPIIB/IIIA RECOMBINANT ANTIBODIES
FILE REFERENCE: 100564-09049
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PRIOR FILING DATE: 1998-05-08
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APPLICANT: Berchtold, Peter
APPLICANT: Escher, Robert |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 95
                              APPLICANT: HOOGENBOOM, Hendricus Renerus Jacobus Matteus APPLICANT: BAIER, Michael APPLICANT: JESPERS, Laurent Stephane Anne Therese APPLICANT: WINTER, Gregory Paul TITLE OF INVENTION: Production of chimeric antibodies - TITLE OF INVENTION: combinatorial approach
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ENGTH:
CORRESPONDENCE ADDRESS:
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Pred. No.
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US-10-194-975-23
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                                                                                                                               GENERAL INFORMATION:
APPLICANT: FOOLE, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
          PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PatentIn version 3.1
SEQ ID NO 23
LENGTH: 98
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Patent No. 6881557
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TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
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APPLICATION NUMBER: PCT/GB:
PILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
ATTORNEY DAVID W. Clough
ATTORNEY DAVID W. Clough
TYPE: PRT
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/211,202
FILING DATE: 23-SEP-1992
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FILING DATE: 24-MAR-1992
PRIOR APPLICATION DATA:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
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APPLICATION NUMBER: GB 9120252.3
FILING DATE: 23-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9120377.8
FILING DATE: 25-SEP-1991
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CITY: Chicago
STATE: Illinoi
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les 15; Conservative
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Pred. No. 1.4e-05;
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GENERAL INFORMATION:
APPLICANT: FOOCE, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR APPLICATION UMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOPTWARE: Patentin version 3.1
SEQ ID NO 24
LENGTH: 98
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SEQ ID NO 25
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-10-194-975-25
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US-10-194-975-25
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; Sequence 624, Application US/09534717
              RESULT 11
US-09-534-717-624
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US-10-194-975-24
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Patent No. 6881557
GENERAL INFORMATION:
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Best Local
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Patent No. 6881557
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Best Local
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TITTLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
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1 Similarity 88.2%;
15; Conservation
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Pred. No. 1.4e-05;
1; Mismatches
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Pred. No. 1.4e-05;
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Pred. No. 1.4e-05;
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Query Match
Best Local Similarity
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; ORGANISM: Homo sapiens
US-09-534-717-624
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US-09-534-717-626
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GENERAL INFORMATION:
APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 625
LENGTH: 98
                                                CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 626
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APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That
FILE REFERENCE: BBI-093CP
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Best Local (
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SEQ ID NO 624
LENGTH: 98
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ORGANISM: Homo sapiens
                                   ENGTH:
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Pred. No. 1.4e-05;
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Pred. No.
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PATENT NO. 6914128

GENERAL INFORMATION:
APPLICANT: JOChen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Hur
FILE REFERENCE: BB1-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOCTWARE: PATENTIN Ver. 2.0
SEQ ID NO 628
LENGTH: 98
TYPE: PRT
RESULT 16
US-09-534-717-629
; Sequence 629, Application US/09534717
; Patent No. 6914128
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US-09-534-717-628
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US-09-534-717-627
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US-09-534-717-628
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US-09-534-717-627
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Patent No. 6914128

GENERAL INFORMATION:
APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER TILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOUTWARE: Patentin Ver. 2.0

SEQ ID NO 627
LENGTH: 98
TYPE: PRT
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Best Local (
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1 Similarity 88.2%;
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Similarity 88.2%;
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Pred. No. 1.4e-05;
1; Mismatches :
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Pred. No. 1.4e-05;
1; Mismatches 1
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Pred. No. 1.4e-05;
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APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-
FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOCTMARE: Patentin Ver. 2.0
SEQ ID NO 631
LENGTH: 98
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APPLICANT: Jochen, Salfeld et al.
APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Hu
FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER OF SED ID NOS: 675
NUMBER OF SED ID NOS: 675
SOFTWARE: PatentIn Ver. 2.0
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US-09-534-717-631
; Sequence 631, Application US/09534717
; Patent No. 6914128
; GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-09-534-717-629
; TYPE: PRT ; ORGANISM: Homo sapiens US-09-534-717-631
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US-09-534-717-630
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Patent No. 6914128
GENERAL INFORMATION:
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LENGTH: 98
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CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
FILE REFERENCE: BBI-093CP
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l Similarity 88.2%;
15; Conservative
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Pred. No. 1.4e-05;
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Pred. No. 1.4e-0
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RESULT 21
US-09-534-717-636
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US-09-534-717-635
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; ORGANISM: Homo sapiens
US-09-534-717-632
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US-09-534-717-635
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Best Local S
Matches 15
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APPLICANT: JOCHEN, Salfeld et al.
APPLICANT: JOCHEN, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
FILE REFERENCE: BB1-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 635
LENGTH: 98
TYPE: PRT
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GENERAL INFORMATION:
Sequence 636, Application US/09534717 Patent No. 6914128 GENERAL INFORMATION:
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Best Local
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CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
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TITLE OF INVENTION: Human Antibodies That Bind Human
FILE REFERENCE: BBI-093CP
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US-09-534-717-640
                                                             GENERAL INFORMATION:
APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
FILE REFERENCE: BBI-093CP
CURRENT FILING DATE: U000-03-24
CURRENT FILING DATE: MONBER: 60/126,603
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 637
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CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 636
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Best Local
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TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
FILE REFERENCE: BBI-093CP
                                  TYPE: PRT
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TYPE: PRT
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              ORGANISM: Homo sapiens
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RESULT 26
US-09-534-717-643
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US-09-534-717-641
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              Sequence 643, Application US/09534717
Patent No. 6914128
GENERAL INFORMATION:
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EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 642
LENGTH: 98
TYPE: PRT
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SEQ ID NO 641
LENGTH: 98
TYPE: PRT
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GENERAL INFORMATION:
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Best Local Similarity
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TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
FILE REFERENCE: BBI-093CP
CURRENT APPLICATION UMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
CURRENT FILING DATE: 2000-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
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APPLICANT: Jochen, Salfeld et al.
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Pred. No. 1.4e-05;
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Query Match
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US-09-534-717-645
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US-09-534-717-645
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US-09-534-717-644
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APPLICANT: JOCHAN, Salfeld et al.
APPLICANT: JOCHAN, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
CURRENT FILING DATE: 2000-03-24
                                                                                                          EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 645
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SEQ ID NO 644
LENGTH: 98
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Patent No. 69141:
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LENGTH: 98
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Best Local (
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CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
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TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
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EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: Patentin Ver. 2.0
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                                                   LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
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Pred. No. 1.
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Pred. No. 1.4e-05;
 Score 81;
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US-09-534-717-650
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US-09-534-717-646
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US-09-534-717-648
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Sequence 650, Application US/09534717
Patent No. 6914128
GENERAL INFORMATION:
APPLICANT: Jochen, Salfeld et al.
APPLICANT: Jochen, Salfeld et al.
TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
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Matches
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SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 648
LENGTH: 98
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SEQ ID NO 646
LENGTH: 98
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Matches 15; Conservative
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TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing
TITLE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
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TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
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15; Conserv
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Pred. No. 1.4
1; Mismatches
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Pred. No. 1
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FILE REFERENCE: BBI-093CP
CURRENT APPLICATION NUMBER: US/09/534,717
CURRENT FILING DATE: 2000-03-24
EARLIER APPLICATION NUMBER: 60/126,603
EARLIER FILING DATE: March 25, 1999
NUMBER OF SEQ ID NOS: 675
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 650
LENGTH: 98
TYPE: PRT
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                                                  ; ORGANISM: Homo sapiens US-10-330-613A-61
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Best Local S
Matches 15
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TITLE OF INVENTION: Human Antibodies That Bind Human IL-12 And Methods For Producing FILE REFERENCE: BBI-093CP CURRENT APPLICATION NUMBER: US/09/534,717 CURRENT FILING DATE: 2000-03-24 EARLIER FILING DATE: March 25, 1999 NUMBER OF SEQ ID NOS: 675 SQFTMARE: Patentin Ver. 2.0 SQFTMARE: Patentin Ver. 2.0 SQFTMARE: Patentin Ver. 2.0
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Best Local S
Matches 15
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                                                                                                NUMBER OF SEQ ID NOS: 90
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 61
LENGTH: 98
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GENERAL INFORMATION:
Query Match
Best Local Similarity
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TITLE OF INVENTION: ANTIBODIES AGAINST THE MUC18 ANTIGEN
FILE REFERENCE: ABGENIX.022A
                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/346299 PRIOR FILING DATE: 2001-12-18
                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/330,613A CURRENT FILING DATE: 2002-12-26
                                                                                    TYPE: PRT
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88.2%;
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88.2%; Pred. No.
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GENERAL INFORMATION:

APPLICANT: Gudas, Jean

TITLE OF INVENTION: ANTIBODIES AGAINST THE MUC18 ANTIGEN

FILE REFERENCE: ABGENIX.022A

CURRENT APPLICATION NUMBER: US/10/330,613A

CURRENT FILING DATE: 2002-12-26

PRIOR APPLICATION NUMBER: 60/346299

PRIOR FILING DATE: 2001-12-18

NUMBER OF SEQ ID NOS: 90

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 62

LENGTH: 98
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US-09-726-219A-167
                                                    CURRENT APPLICATION NUMBER: US/09/726,219A
CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: GB 9015198.6
PRIOR FILING DATE: 1990-07-10
PRIOR PRIOR APPLICATION NUMBER: GB 9022845.3
PRIOR FILING DATE: 1990-10-19
PRIOR APPLICATION NUMBER: GB 9022845.3
PRIOR APPLICATION NUMBER: GB 9022845.3
PRIOR FILING DATE: 1990-10-19
PRIOR APPLICATION NUMBER: GB 9024503.6
PRIOR APPLICATION NUMBER: GB 9024503.6
PRIOR APPLICATION NUMBER: GB 9104744.9
PRIOR FILING DATE: 1990-11-12
PRIOR APPLICATION NUMBER: GB 9104744.9
PRIOR FILING DATE: 1991-03-06
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US-10-330-613A-62
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 92.0%;
Best Local Similarity 88.2%;
Matches 15; Conservative
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APPLICANT:
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                   APPLICANT: Clackson, Timothy
APPLICANT: Chiswell, David
APPLICANT: Winter, Gregory
APPLICANT: Bonert, Timothy
APPLICANT: Bonert, Timothy
FITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs
FILE REFERENCE: 213839-00013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
APPLICATION NUMBER: PCT/GB91/01134
                   APPLICATION NUMBER: GB 9110549.4 FILING DATE: 1991-05-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               50 VISYDGSNKYYADSVKG 66
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cambridge Antibody Technology
Cambridge Antibody Technology Limited
Medical Research Council
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Marks, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jackson, Ronald
Holliger, Kasper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hoogenboom, Hendricus
Griffiths, Andrew
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           McCafferty, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Johnson, Kevin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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Pred. No. 1.4e-05
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RESULT 37
US-09-196-522-167
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-726-219A-167
                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens US-09-269-332-89
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; APPLICANT: SATO, KO
; APPLICANT: WAKAHARA
; APPLICANT: YABUTA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-269-332-89
                                                 GENERAL INFORMATION:
APPLICANT: Cambridge Antibody Technology
APPLICANT: Cambridge Antibody Technology Limited
APPLICANT: Medical Research Council
APPLICANT: McCafferty, John
APPLICANT: McCafferty, John
                                                                                                                                             Sequence 167, Application US/09196522 Patent No. 6916605
GENERAL INFORMATION:
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Patent No. 6903194
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Best Local
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                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 1996-09-26
PRIOR APPLICATION NUMBER: JP:
PRIOR FILING DATE: 1997-07-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: PCT/JP97/03382
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: JP 255196/1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 04853-0033
CURRENT APPLICATION NUMBER: US/09/269,332
CURRENT FILING DATE: 1999-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: YABUTA, NAOHIRO
TITLE OF INVENTION: ANTIBODY AGAINST HUMAN PARATHORMONE RELATED PEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 1991-07-10
PRIOR APPLICATION NUMBER: US 07/971,857
PRIOR FILING DATE: 1993-01-08
PRIOR APPLICATION NUMBER: US 08/484,893
PRIOR FILING DATE: 1995-06-07
NUMBER OF SEQ ID NOS: 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE:
                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                          92.0%;
Local Similarity 88.2%;
les 15; Conservation
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Local Similarity 88.2%;
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Hoogenboom, Hendricus
Griffiths, Andrew
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                                     Johnson, Kevin
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Pred. No. 1.7e-05;
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Pred. No. 1.7e-05;
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APPLICANT:

Marks,

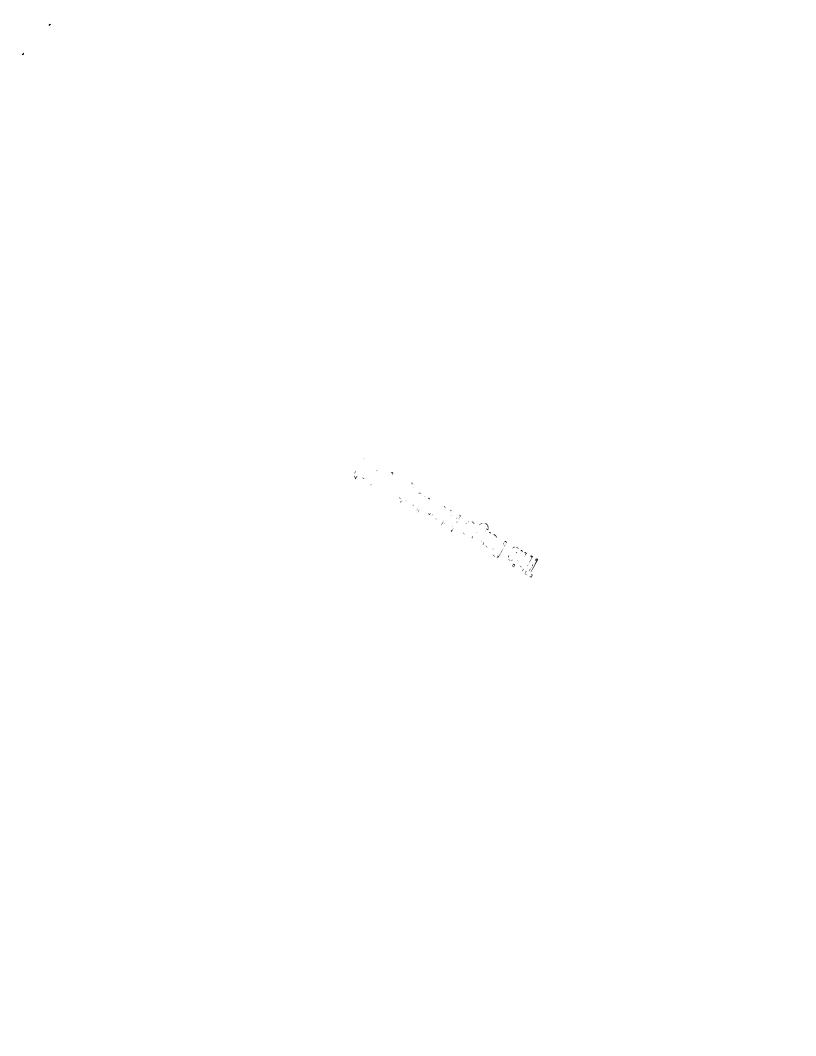
Jackson, Ronald Holliger, Kasper

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PRIOR FILLING DATE: 1990-10-19
PRIOR APPLICATION NUMBER: GB 9022845.3
PRIOR FILLING DATE: 1990-10-19
PRIOR APPLICATION NUMBER: GB 9024503.6
PRIOR FILLING DATE: 1990-11-12
PRIOR PILLING DATE: 1991-03-06
PRIOR FILLING DATE: 1991-03-06
PRIOR PILLING DATE: 1991-03-06
PRIOR APPLICATION NUMBER: GB 9110549.4
PRIOR FILLING DATE: 1991-05-15
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Best Local Similarity
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GENERAL INFORMA
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PRIOR FILING DATE: 1993-01-08
PRIOR APPLICATION NUMBER: US 08/484,893
PRIOR FILING DATE: 1995-06-07
NUMBER OF SEQ ID NOS: 272
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CURRENT FILING DATE: 1998-11-28
PRIOR APPLICATION NUMBER: GB 9015198.6
PRIOR FILING DATE: 1990-07-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
ODERATING SYSTEM: PC-DOS/MS-DOS
                                    SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/211,202
FILING DATE: 23-55P-1992
                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 1:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Production of chimeric
                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                             ADDRESSEE: David W. Clough, Marshall O'Toole Gerstein Murray & ADDRESSEE: Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
                                                                                                                                                                                                                  COUNTRY: USA
ZIP: 60606-6402
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: PCT/GB91/01134 FILING DATE: 1991-07-10
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Bonert, Timothy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Application US/08211202
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       WINTER, Gregory Paul
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 David
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Production of chimeric antibodies -
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Pred. No. 1.7e-05;
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US-08-545-809A-115
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 115, Application US/08545809A Patent No. 6096878
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                              COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/545,809A
FILING DATE: 27-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP93/00603
FILING DATE: 10-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Honjo, Tasuku
APPLICANT: Matsuda, Fumihiko
TITLE OF INVENTION: HOMAN IMMUNOGLOBULIN VH GENE
TITLE OF INVENTION: SEGMENTS AND DNA FRAGMENTS CONTAINING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Fish & Ri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
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NAME: David W. Clough
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APPLICATION NUMBER:
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
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                                                                                                                                                                                                                                                                                                                                                        CITY: Boston
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TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
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TELEFAX: 312-474-0448
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23-SEP-1991
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Pred. No.
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INFORMATION FOR SEQ ID NO: 115:
SEQUENCE CHARACTERISTICS:
LENGTH: 117 amino acids
TYPE: amino acids
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 115:
US-09-515-697-115
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; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 115
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-545-809A-115
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                                                                    Query Match 92.0%; Score 81; DB 2;
Best Local Similarity 88.2%; Pred. No. 1.7e-05;
Matches 15; Conservative 1; Mismatches 1
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Patent No. 6936705
GENERAL INFORMATION:
APPLICANT: Honjo, Tasuku
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 92.0%; Score 81; DB 2;
Best Local Similarity 88.2%; Pred. No. 1.7e-05;
Matches 15; Conservative 1; Mismatches 1
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ZIF: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/515,697
FILING DATE: 29-Feb-2000
PRIOR APPLICATION NUMBER: US/09/545,809
FILING DATE: 27-FADR-1996
APPLICATION NUMBER: PCT/JP93/00603
FILING DATE: 10-MAX-1993
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
DEFERENCE (JOCATOR NUMBER: 29,066
                                                                                                                                                                                                                                                                                                           TELEFAX: 617-542-8906
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ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: HUMAN IMMUNOGLOBULIN VH GENE
TITLE OF INVENTION: SEGMENTS AND DNA FRAGMENTS CONTAINING THE SAME
1 VISFDGSNKYYVDSVKG 17
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STATE: MA
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Search completed: December 14, 2005, 07:33:19 Job time : 25.9138 secs



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Match
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2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

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5: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*
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75.4 Appl
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76.4 Ap
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ALIGNMENTS

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FILE REFERENCE: CEN 249

CURRENT APPLICATION NUMBER: US/09/920,267C

CURRENT FILING DATE: 2001-08-01

PRIOR APPLICATION NUMBER: 60/223,363

PRIOR FILING DATE: 2000-08-07

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin version 3.1

SEQ ID NO 2

LENGTH: 17

TYPE: PRT

ORGANISM: Homo sapiens

US-09-920-267C-2
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US-09-920-267C-7
                   RESULT 3
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APPLICANT: Centocor, Inc.
APPLICANT: Gentocor, Inc.
APPLICANT: Gentocor, Inc.
APPLICANT: Trikha, Mohit
APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REFERENCE: CEN 249 CIPNP
CURRENT FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US/10/720,323
CURRENT FILING DATE: 2000-08-07
PRIOR FILING DATE: 2000-08-07
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Best Local Similarity
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APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Snyder, Linda
APPLICANT: Nakada, Marian
TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 17 SOFTWARE: PatentIn version
                                                                                                                                                                                                                                           LENGTH: 17
TYPE: PRT
ORGANISM: Homo sapiens
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Pred. No. 2e-06;
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; LENGTH: 119
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-920-267C-7
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US-09-880-748-1109
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                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES FILE REFERENCE: CEN 249 CIPNP CURRENT APPLICATION NUMBER: US(10/720,323)
CURRENT FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: 60/223,363
PRIOR APPLICATION NUMBER: 60/223,363
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 7
                                                                        Sequence 1109, Application US/09880748 Publication No. US20030059937A1 GENERAL INFORMATION:
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Best Local (
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PRIOR FILING DATE: 2001-08-07
NUMBER OF SEQ ID NOS: 17
SOFTWARE: DEFCTIONS: 17
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APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
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APPLICANT: Giles-Komar, Jill
APPLICANT: Trikha, Mohit
APPLICANT: Snyder, Linda
APPLICANT: Snyder, Linda
APPLICANT: Nakeda, Marian
TETLE CANTENTING AND AUTO-
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TITLE OF INVENTION: ANTI-DUAL INTEGRIN ANTIBODIES, COMPOSITINS, METHODS AND USES
FILE REFERENCE: CEN 249
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PFF23
CURRENT APPLICATION NUMBER: US/09/880,748
                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 119
TYPE: PRT
ORGANISM: Homo sapiens
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Pred. No.
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RESULT 7
US-10-954-900A-2
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US-09-880-748-1109
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US-10-293-418-1109
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PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR PELING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR PILING DATE: 2001-03-21
PRIOR PILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
Sequence 2, Application US/10954900A
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Best Local
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Best Local Similarity 94.1%;
Matches 16; Conservative
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CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR APPLICATION NUMBER: 09/880,748
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TITLE OF INVENTION: Antibodies that Immunospecifically Bind
FILE REFERENCE: PF523P2
                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 3247
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TYPE: PRT
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TYPE: PRT
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OR FILING DATE: 2001-12-19
OR APPLICATION NUMBER: 09/880,748
OR FILING DATE: 2001-06-15
OR APPLICATION NUMBER: 60/293,499
OR FILING DATE: 2001-05-25
OR APPLICATION NUMBER: 60/277,379
OR FILING DATE: 2001-03-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/276,248 FILING DATE: 2001-03-16 APPLICATION NUMBER: 60/240,816 FILING DATE: 2000-10-17
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: Pred. No. 9.1e
1; Mismatches
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Pred. No. 9.1e.
1; Mismatches
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RESULT 8
US-09-972-656-48
US-09-972-656-48
; Sequence 48, Application US/09972656
; Publication No. US20030099647A1
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; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-972-656-48
                                                                                                                                                                        RESULT 9
US-10-384-060-46
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Sequence 46, Application US/10384060
Publication No. US20030226155A1
GENERAL INFORMATION:
APPLICANT: SADEGHI, Homayoun
APPLICANT: PRIOR, Christopher P.
APPLICANT: TURNER, Andrew
TITLE OF INVENTION: MODIFIED TRANSFERRIN-ANTIBODY FUSION PROTEINS
FILE REFERENCE: 54710-5004-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Deshpande, Rajendra
APPLICANT: Tsai, Mei-Mei
TITLE OF INVENTION: Fully Human Antibody Fab Fragments with Human Interferon-Gamma
TITLE OF INVENTION: Neutralizing Activity
FILE REFERENCE: A-799
CURRENT APPLICATION NUMBER: US/09/972,656
CURRENT APPLICATION NUMBER: US/09/972,656
NUMBER OF SEQ ID NOS: 135
SOFTWARE: PatentIn version 3.0
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APPLICANT: George Heavner
TITLE OF INVENTION: ANTI-THE ANTIBODIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: CEN0250 DIV-2
CURRENT APPLICATION NUMBER: US/10/954,900A
CURRENT FILING DATE: 2004-09-30
PRIOR APPLICATION NUMBER: 09/920,262
PRIOR APPLICATION NUMBER: 09/920,360
PRIOR PILING DATE: 2000-08-01
PRIOR APPLICATION NUMBER: 60/223,360
PRIOR PILING DATE: 2000-08-07
PRIOR PILING DATE: 2000-08-07
PRIOR FILING DATE: 2000-08-07
PRIOR FILING DATE: 2000-08-07
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PRIOR FILING DATE: 2000-09-29
NUMBER OF SEQ ID NOS: 15
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APPLICANT: David Shealy
APPLICANT: David Knight
APPLICANT: Bernie Scall
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TYPE: PRT
ORGANISM: Homo sapiens
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Local Similarity 100.0%; Pred. No. 1.5e-05;
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88.2%;
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Pred. No. 2.3e-05;
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US-10-399-701-6
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CURRENT FILING DATE: 2003-03-10
PRIOR APPLICATION NUMBER: US 10/231,494
PRIOR FILLING DATE: 2002-08-30
PRIOR APPLICATION NUMBER: US 60/334,059
PRIOR FILLING DATE: 2001-11-30
PRIOR FILLING DATE: 2001-11-30
PRIOR FILLING DATE: 2001-08-30
PRIOR FILLING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: US 60/406,977
PRIOR APPLICATION NUMBER: US 60/406,977
PRIOR FILLING DATE: 2002-08-30
PRIOR FILLING DATE: 2002-08-30
                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 15
GENERAL INFORMATION:

APPLICANT: Reiter , Yoram

APPLICANT: Cohen, Cyril J.

TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 80
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 46
LENGTH: 17
TYPE: PRT
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Publication No. US20040022791A1
GENERAL INFORMATION:
APPLICANT: ASAT AG
                                                                                                                              Sequence 21, Application US/10396578 Publication No. US20040191260A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 6
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Rekombinant anti-GPIIB/IIIA-antibodies as agents for TITLE OF INVENTION: inhibiting anglogenesis FILE REFERENCE: 23600PWO DRAS CURRENT APPLICATION NUMBER: US/10/399,701 CURRENT FILING DATE: 2003-04-21 PRIOR APPLICATION NUMBER: 100 57 443.2 PRIOR FILING DATE: 2000-11-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
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88.2%;
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Pred. No. 2.3e-05;
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Pred. No. 2.
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2.3e-05;
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OTHER INFORMATION: Sequence of c
OTHER INFORMATION: specifically
US-10-396-578-39
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CURRENT APPLICATION NUMBER: US/10/396,578
CURRENT FILING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PatentIn version 3.2
SEQ ID NO 51
LENGTH: 17
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CURRENT FILING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 97
SOFTWARE: Patentin version 3.2
SEQ ID NO 39
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Best Local S
Matches 15
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CURRENT APPLICATION NUMBER: US/10/396,578
CURRENT FILING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 97
SOFTWARE: Patentin version 3.2
SEQ ID NO 21
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Best Local (
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APPLICANT: Cohen, Cyril J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
                                                                                                             APPLICANT: Reiter , Yoram
APPLICANT: Cohen, Cyril J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 25563
TILE REFERENCE: 25563
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Pred. No.
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Pred. No.
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CURRENT APPLICATION NUMBER: US/10/844,424
CURRENT FILING DATE: 2004-05-13
PRIOR APPLICATION NUMBER: US/09/424,840
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: DE 19820663.1
PRIOR FILING DATE: 1998-05-08
PRIOR APPLICATION NUMBER: DE 19755227.7
PRIOR APPLICATION NUMBER: DE 19755227.7
PRIOR FILING DATE: 1997-12-12
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 128
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SOFTWARE: Pa
SEQ ID NO 36
LENGTH: 17
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Matches
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LENGTH: 17
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 81, Applica Publication No. US20 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 36, Application US/10844424 Publication No. US20040202659A1
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OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex.
-10-396-578-51
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APPLICANT: COhen, CYYII J.
APPLICANT: COhen, CYYII J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 25563
CURRENT APPLICATION NUMBER: US/10/396,578
CURRENT FILING DATE: 2003-03-26
NUMBER OF SEQ ID NOS: 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Escher, Robert F. A.
TITLE OF INVENTION: ANTI-GPIIB/IIIA RECOMBINANT ANTIBODIES
FILE REFERENCE: 100564-09049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Berchtold, Peter APPLICANT: Escher, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE:
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ORGANISM: Artificial sequence
FEATURE:
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                                                                             PatentIn version 3.1
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Pred. No. 2.3e-05;
1; Mismatches 1
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Pred. No. 2.3e-05;
1; Mismatches 1
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APPLICANT: Becher, Robert F. A.
ITITLE OF INVENTION: ANTI-GPIIB/IIIA RECOMBINANT ANTIBODIES
FILE REFERENCE: 100564-09049
CURRENT APPLICATION NUMBER: US/10/844,424
CURRENT FILING DATE: 2004-05-13
PRIOR APPLICATION NUMBER: US/09/424,840
PRIOR FILING DATE: 1999-12-03
PRIOR FILING DATE: 1999-12-03
PRIOR FILING DATE: 1998-05-08
PRIOR APPLICATION NUMBER: DE 19820663.1
PRIOR APPLICATION NUMBER: DE 19755227.7
PRIOR APPLICATION NUMBER: DE 19755227.7
PRIOR APPLICATION NUMBER: DE 1975904.8
PRIOR FILING DATE: 1997-12-12
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR APPLICATION NUMBER: DE 19723904.8
PRIOR FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.1
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US-10-844-424-95
; Sequence 95, Application US/10844424
; Publication US20040202659A1
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US-10-844-424-97
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US-10-844-424-36
                                                                                 FILE REFERENCE: 100564-09049

CURRENT APPLICATION NUMBER: US/10/844,424

CURRENT FILING DATE: 2004-05-13

PRIOR APPLICATION NUMBER: US/09/424,840

PRIOR FILING DATE: 1999-12-03

PRIOR FILING DATE: 1999-12-03

PRIOR FILING DATE: 1998-05-08

PRIOR FILING DATE: 1998-05-08

PRIOR APPLICATION NUMBER: DE 19755227.7

PRIOR FILING DATE: 1997-12-12

PRIOR FILING DATE: 1997-12-12

PRIOR APPLICATION NUMBER: DE 19723904.8

PRIOR PILING DATE: 1997-06-06

NUMBER OF SEQ ID NOS: 128

SOFTWARE: Patentin version 3.1
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                                                                   SEQ ID NO 97
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TITLE OF INVENTION: ANTI-GPIIB/IIIA RECOMBINANT ANTIBODIES
                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Berchtold, Peter APPLICANT: Escher, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Berchtold, Peter
APPLICANT: Escher, Robert
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TYPE: PRT
ORGANISM: Homo sapiens
                         TYPE: PRI
ORGANISM: Homo sapiens
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es 15; Conserv
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Pred. No. 2.3e-05;
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Pred. No. 2.3e-05;
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APPLICANT: YOUNG, DEBORAH A.

APPLICANT: WHITTERS, MATTHEW J.

APPLICANT: VALGE-ARCHER, VIIA

APPLICANT: VALGE-ARCHER, VIIA

APPLICANT: WILLIAMS, ANDREW JAMES

APPLICANT: WITEK, JOANNE

TITLE OF INVENTION: ANTIBODIES AGAINST HUMAN IL-21 RECEPTOR AND USES

TITLE OF INVENTION: THEREFOR

FILE REFERENCE: 08702.0137-00000

CURRENT APPLICATION NUMBER: US/10/798,380

CURRENT FILING DATE: 2004-03-12

PRIOR APPLICATION NUMBER: 60/454,336

PRIOR PILING DATE: 2003-03-14
; ORGANISM: Homo mapienm US-10-798-380-23
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US-10-798-380-23
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; ORGANISM: Homo sapiens
US-10-844-424-108
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CURRENT APPLICATION NUMBER: US/10/844,424

CURRENT FILING DATE: 2004-05-13

PRIOR APPLICATION NUMBER: US/09/424,840

PRIOR PILING DATE: 1999-12-03

PRIOR APPLICATION NUMBER: DE 19820663.1

PRIOR FILING DATE: 1998-05-08

PRIOR APPLICATION NUMBER: DE 19755227.7

PRIOR APPLICATION NUMBER: DE 19755227.7

PRIOR FILING DATE: 1997-12-12

PRIOR APPLICATION NUMBER: DE 19723904.8

PRIOR FILING DATE: 1997-06-06

PRIOR FILING DATE: 1997-06-06
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                                                                         NUMBER OF SEQ ID NOS: 154
SOFTWARE: PatentIn Ver. 3
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 23, Application US/10798380 Publication No. US20040265960A1
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SOFTWARE: PatentIn version 3.1
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APPLICANT: Escher, Robert F. A.
TITLE OF INVENTION: ANTI-GPIIB/IIIA RECOMBINANT ANTIBODIES
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                                        TYPE: PRT
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15; Conservation
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15; Conserv
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o. US20040202659A1
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Pred. No. 2.3e-05;
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; OTHER INFORMATION: Synthetically generated peptide US-10-989-462-311
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Best Local S
Matches 15
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                                                                                          PRIOR FILING DATE: 2004-04-19
NUMBER OF SEQ ID NOS: 319
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 311
LENGTH: 17
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 114
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Best Local Similarity
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Publication No. US20050058649A1
                                                                                                                                                                                          APPLICANT: Wittrup, K. Dane
APPLICANT: Yeung, Yik Andy
TITLE OF INVENTION: ANTI-HYDROXYLASE ANTIBODIES AND USES
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 01997-329001
CURRENT APPLICATION NUMBER: US/10/989,462
CURRENT FILING DATE: 2004-11-15
PRIOR APPLICATION NUMBER: US 60/520,114
PRIOR APPLICATION NUMBER: US 60/563,514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Xiao Peng
APPLICANT: Xiao-Chi Jia
APPLICANT: Mark R. Nocerini
APPLICANT: MARK R. Nocerini
TITLE OF INVENTION: ANTIBODIES DIRECTED TO PHOSPHOLIPASE A2
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: ABGENIX.072A
CURRENT APPLICATION NUMBER: US/10/726,332
CURRENT FILING DATE: 2003-12-02
PRIOR APPLICATION NUMBER: n/a
PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -10-726-332-114
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APPLICANT: Mary Haak-Frendscho
APPLICANT: Ling Chen
APPLICANT: Yen-Wah R. Lee
                                    TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 17
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88.2%; Pred. No.
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Pred. No. 2.3e-05;
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Query Match

92.0%; Score 81;

DB 5; Length 17;

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; OTHER INFORMATION: Sequence of complementarity determining region of Fab; OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex. US-11-074-803-21
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US-11-074-803-21
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APPLICANT: Cohen, Cyril J.
APPLICANT: Cohen, Cyril J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 29161
CURRENT APPLICATION NUMBER: US/11/074,803
CURRENT FILING DATE: 2005-03-09
NUMBER OF SEQ ID NOS: 97
SOFTWARE: Patentin version 3.2
SEQ ID NO 39
LENGTH. 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39, Applica Publication No. US20 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.2
SEQ ID NO 21
LENGTH: 17
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
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Best Local
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APPLICANT: Cohen, Cyril J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXE
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 29361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/11/074,803
CURRENT FILING DATE: 2005-03-09
NUMBER OF SEQ ID NOS: 97
                                                                                                                                                                                            LENGTH: 17
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
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15; Conserv
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                      VISFDGSNKYYVDSVKG 17
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 VISYDGSNKYYADSVKG
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                                                                 92.0%;
nilarity 88.2%;
Conservative
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ilarity 88.2%;
Conservative
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                                                                                                                                                      Sequence of complementarity determining region of Fab specifically binding HLA-A2/Tax11-19 complex.
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Pred. No. 2.3e-05;
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                                                                   Score 81; DB 6;
Pred. No. 2.3e-05;
1; Mismatches 1
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; OTHER INFORMATION: Sequence of complementarity determining region of Fab; OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex. US-11-074-803-81
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US-11,-074-803-51
RESULT 26
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APPLICANT: Cohen, Cyril J.
APPLICANT: Cohen, Cyril J.
TITLE OF INVENTION: COMPOSITIONS CAPABLE OF SPECIFICALLY BINDING PARTICULAR HUMAN
TITLE OF INVENTION: ANTIGEN PRESENTING MOLECULE/PATHOGEN-DERIVED ANTIGEN COMPLEXES
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 29361
CURRENT APPLICATION NUMBER: US/11/074,803
CURRENT FILING DATE: 2005-03-09
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 81
LENGTH: 17
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CURRENT FILING DATE: 2005-03-09
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PatentIn version 3.2
SEQ ID NO 51
LENGTH: 17
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Publication No. US20050152912A1
GENERAL INFORMATION:
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Publication No. US20050152912A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Reiter, APPLICANT: Cohen,
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                                                                                                                                                                                                                                                                                   TYPE: PRT ORGANISM: Artificial sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Sequence of complementarity determining region of Fab OTHER INFORMATION: specifically binding HLA-A2/Tax11-19 complex.
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                                                                                                                                         Conservative
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Pred. No. 2.3e-05;
1; Mismatches 1
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Pred. No. 2.3e-05;
1; Mismatches 1
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US-10-269-711-47
Sequence 47, Application US/10269711
Publication No. US20040071694A1
GENERAL INFORMATION:

APPLICANT: Abbott Laboratories

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APPLICANT: DeVries, Peter J.
APPLICANT: DeVries, Peter J.
APPLICANT: Reilly, Edward B.
APPLICANT: Reilly, Edward B.
APPLICANT: Weiler, James
APPLICANT: Weiler, James
APPLICANT: Weiler, James
APPLICANT: Weiler, James
APPLICANT: Green, Larry
FIITLE OF INVENTION: ERYTHROPOIETIN RECEPTOR BINDING
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: 6989.US.O1
CURRENT APPLICATION NUMBER: US/10/269,711
CURRENT FILING DATE: 2002-10-14
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 48
LENGTH: 41
TYPE: PRT
ORGANISM: Homo sapiens
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US-10-269-711-47
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Matches
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CURRENT FILING DATE: 2002-10-14
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 48, Applica Publication No. US20 GENERAL INFORMATION:
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Publication No. US20040175379A1
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Best Local S
APPLICANT: DeVries, Peter J.
APPLICANT: Green, Larry L.
APPLICANT: Ostrow, David H.
APPLICANT: Reilly, Edward B.
APPLICANT: Wieler, James
TITLE OF INVENTION: Erythropoietin Receptor Binding
TITLE OF INVENTION: Antibodies
FILE REFERENCE: 6989.US.O2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Weiler, James
APPLICANT: Green, Larry
TITLE OF INVENTION: ERYTHROPOIETIN RECEPTOR BINDING
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: 6989.US.O1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                              Local
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l Similarity 88.2%;
15; Conservative
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Similarity 88.2%;
15; Conservative
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vo. US20040071694A1
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Ostrow, Dave
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Pred. No. 5.6e-05;
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Pred. No. 5.6e-05;
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US-10-884-830-653
; Sequence 653, Application US/10884830
; Publication No. US20050004354A1
; GENERAL INFORMATION:
; APPLICANT: Jochen, Salfeld et al.
; TITLE OF INVENTION: Human Antibodies That Bind Hur
; FILE REFERENCE: BBI-093CP
; CURRENT APPLICATION NUMBER: US/10/884,830
; CURRENT APPLICATION NUMBER: US/09/534,717
; PRIOR APPLICATION NUMBER: US/09/534,717
; PRIOR FILING DATE: 2000-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REPERENCE: CELL 4.18 CON
CURRENT APPLICATION NUMBER: US/10/078,958
CURRENT FILING DATE: 2002-02-19
PRIOR APPLICATION NUMBER: 08/759,620
PRIOR FILING DATE: 1996-12-03
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 83
                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
GRGANISM: Homo sapiens
FEATURE:
NAME/KEY: MOD RES
LOCATION: (22)
OTHER INFORMATION: Variable amino acid
US-10-078-958-7
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APPLICANT: GREEN, LARRY
TITLE OF INVENTION: TRANSGENIC MAMMALS HAVING HUMAN IG LOCI INCLUDING
TITLE OF INVENTION: THEREFROM
TITLE OF INVENTION: THEREFROM
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CURRENT FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 10/269,711
PRIOR FILING DATE: 2002-10-14
NUMBER OF SEQ ID NOS: 115
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: KLAPHOLZ,
APPLICANT: MENDEZ, MI
APPLICANT: GREEN, LAI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
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Pred. No.
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Pred. No. 0.00012
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                                                                                                   Human IL-12 And Methods For Producing
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APPLICANT: KORTMAN, Alan J.
APPLICANT: Halk, Edward L.
APPLICANT: Halk, Edward L.
APPLICANT: Lonberg, Nils
APPLICANT: Lonberg, Nils
APPLICANT: Medarex, Inc.
TITLE OF INVENTION: Human CTLA-4 Antibodies and
FILE REFERENCE: 014643-010520US
CURRENT APPLICATION NUMBER: US/09/948,939
CURRENT FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: US 60/150,452
PRIOR APPLICATION NUMBER: US 60/150,452
PRIOR APPLICATION NUMBER: 09/644,668
PRIOR APPLICATION NUMBER: 09/644,668
NUMBER OF SEQ ID NOS: 41
SOFTMARE: PRICH ONS: 41
                   Sequence 23, Application US/10194975
Publication No. US20030039649A1
GENERAL INFORMATION:
APPLICANT: FOOCE, Jefferson
TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION UNMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR TILING DATE: 2001-07-12
INUMBER OF SEQ ID NOS: 122
SOFTWARE: Patentin version 3.1
SEQ ID NO 23
LENGTH: 98
TYPE: PRT
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US-10-194-975-23
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US-10-884-830-653
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NUMBER OF SEQ ID NOS: 675
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 653
LENGTH: 95
TYPE: PRT
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Best Local :
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ORGANISM: Homo sapiens
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Local Similarity 88.2%;
hes 15; Conservative
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Local Similarity 88.2%;
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50 VISYDGSNKYYADSVKG 66
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50 VISYDGSNKYYADSVKG 66
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Pred. No. 0.00014;
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Pred. No. 0.00014;
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RESULT 35
US-10-308-817-63
; Sequence 63, Application US/10308817
; Publication No. US20030219861A1
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US-10-194-975-25
Sequence 25, Application US/10194975
Publication No. US20030039649A1
GENERAL IMPORMATION:
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US-10-194-975-24
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 122
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 24
LENGTH: 98
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 25
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Best Local Similarity
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TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
CURRENT APPLICATION NUMBER: US/10/194,975
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/305,111
PRIOR FILING DATE: 2001-07-12
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TITLE OF INVENTION: Super Humanized Antibodies
FILE REFERENCE: 501231.01
                                                                                                                                                                                                                                                  LENGTH: 98
TYPE: PRT
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Pred. No. 0.00014;
                                                                                                                                                                     Score 81; DB 4; Length 98; Pred. No. 0.00014;
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Pred. No. 0.00014;
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US-10-308-817-65

I Sequence 65, Application US/10308817

Publication No. US20030219861A1

GENERAL INFORMATION:
APPLICANT: Rother, Russell
APPLICANT: WW, Dayang
ITILE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37

CURRENT APPLICATION NUMBER: US/10/308,817

CURRENT APPLICATION NUMBER: US/10/308,817

CURRENT FILING DATE: 2002-12-03

NUMBER OF SEQ ID NOS: 195

SOFTWARE: Patentin version 3.1

SEQ ID NO 65

LENGTH: 98

TYPE: PRT
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; Sequence 64, Application US/10308817
; Publication No. US20030219861A1
; GENERAL INFORMATION:
APPLICANT: Rother, Russell
; APPLICANT: Wu, Dayang
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 195
; SOFTMARE: Patentin version 3.1
; SEQ ID NO 64
; LENGTH: 98
; TYPE: PRT
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APPLICANT: Wot, Dayang
APPLICANT: Wot, Dayang
TITLE OF INVENTION: HYBRID ANTIBODIES
FILE REFERENCE: 1087-37
CURRENT APPLICATION NUMBER: US/10/308,817
CURRENT FILING DATE: 2002-12-03
NUMBER OF SEQ ID NOS: 195
SOFTMARE: Patentin version 3.1
SEQ ID NO 63
LENGTH: 98
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US-10-308-817-64
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                                                       ; ORGANISM: human US-10-308-817-65
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                  Query Match
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Pred. No. 0.00014;
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Pred. No. 0.00014;
Score 81; DB 4; Length 98; Pred. No. 0.00014;
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RESULT 40
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CURRENT FILING DATE: 2001-12-31
PRIOR PPLICATION NUMBER: 60/258,948
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 204
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 75
LENGTH: 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Bio-Technology General Corp.
TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED TITLE OF INVENTION: MOLETIES, ANTIBODIES TO SUCH EPITOPES, AND USES THEREOF FILE REFERENCE: 10793/44

CURRENT APPLICATION NUMBER: US/10/032,037B

CURRENT FILING DATE: 2001-12-31

PRIOR APPLICATION NUMBER: 60/259,948

PRIOR APPLICATION NUMBER: 60/259,948

PRIOR FILING DATE: 2006-12-29

NUMBER OF SEQ ID NOW: 204

SOFTWARE: FASCSEQ for Windows Version 3.0

SEQ ID NO 74

LENGTH: 98

TYPE: PRT

ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 75, Application US/10032037B Publication No. US20040001822A1 GENERAL INFORMATION:
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TITLE OF INVENTION: Y17-ISOLATED MOLECULES COMPRISING EPITOPES CONTAINING SULFATED
TITLE OF INVENTION: MOLETIES, ANTIBODIES TO SUCH EPITOPES, AND USES THEREOF
FILE REFERENCE: 10793/44
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ORGANISM: Homo sapiens
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Pred. No. 0.00014
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; Sequence 76, Application US/10032037B ; Publication No. US20040001822A1 ; GENERAL INFORMATION:

APPLICANT: Bio-Technology General Corp.